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THE CHEMIST AND DRUGGIST, FEBRUARY 12, 1921.



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PUBLISHED WEEKLY AT 42 CANNON ST., LONDON, E.C.4. DIARY 20/- PER ANNUM SINGLE COPIES 9d.

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FEBRUARY 12, 1921.

VOL. XCIV.



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On the general question of price reduction the modus operandi is of great importance to the Retail Pharmacist as well as to the manufacturer; we hope that the above scheme will prove to be an acceptable solution of any difficulties that may be involved.

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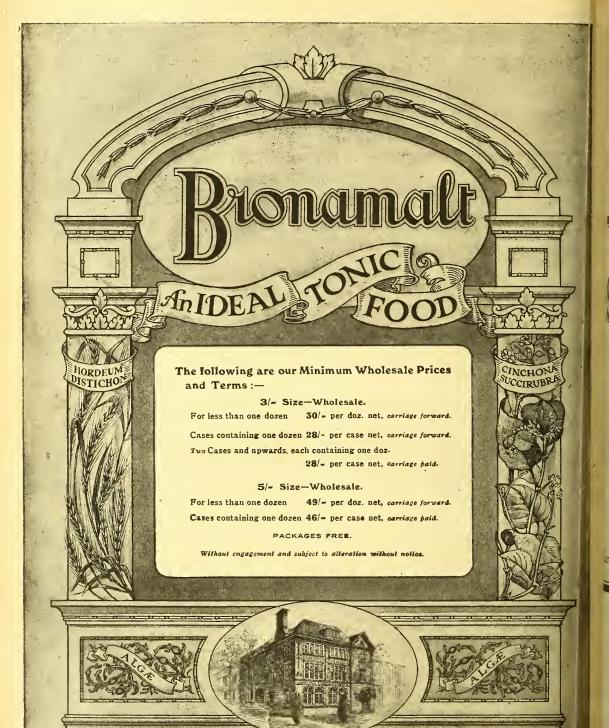
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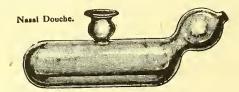


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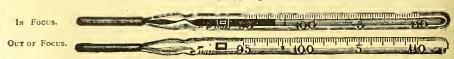
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We invite correspondence with manufacturers of really High-class Preparations, Toilet Specialities, Perfumery or Sundries, provided they are lines that will not clash with our present interests.

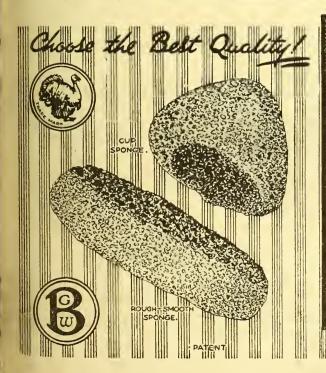
present interests.
We are in an unique position to give you the best provided your lines are such as we can have confidence in.

Advertising must be well done to be effective—there is nothing upon which you can waste more money than ineffective publicity. If you have *the* line we can create *the* market for you.

ADDRESS PUBLICITY DEPT.



MORLAND PHARMACY SERVICE



### BELDAM PURE RUBBER TURKEY SPONGES

Made from the best red rubber, of a fine soft texture, which resists wear much better than the coarser varieties. The ordinary sponge is made in five sizes; the patent Rough-Smooth in three sizes; and the Turkey Cup in one size only.

Unaffected by boiling water, or strong disinfectants, they are the perfect sponge.

Write for full price list.

Sale Selling Algents

PHARMACY SERVICE

RAWDON Nº LEEDS





"John



Bull "

(REGD)

# MALT EXTRACT

and

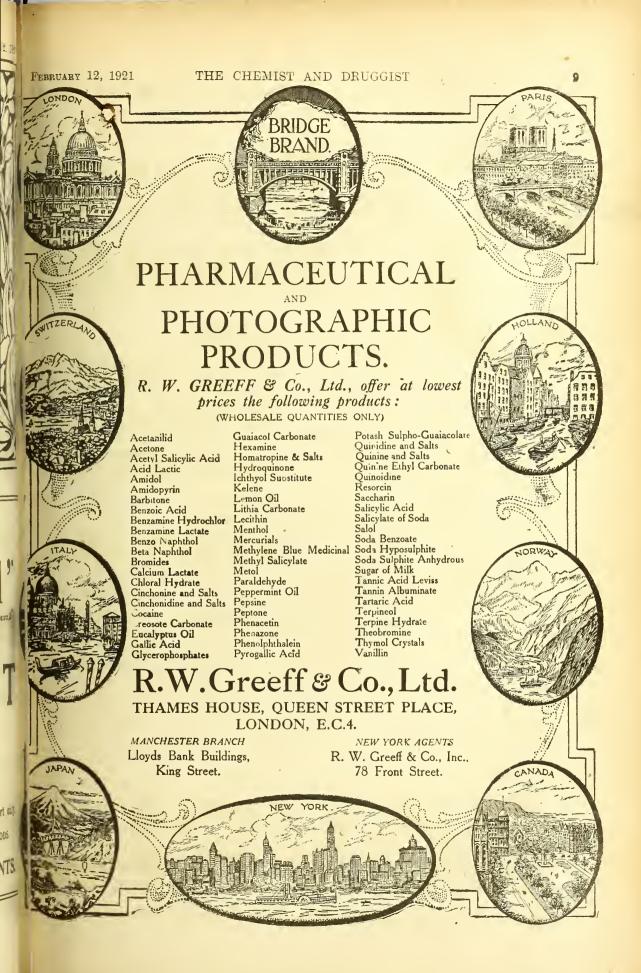
### COD LIVER OIL

IS THE BEST!!

Supplied in Bulk, Jars, Cardboard Containers, &c., for Wholesale and Export only.

MALT EXTRACT POWDER. MALT FLOUR for INFANTS' and INVALIDS' FOODS.

PAINE & CO., LTD., ST. NEOTS, HUNTS.



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# Boyril Bonus

THE
PRESENT
SCHEME
CLOSES
28th
FEBRUARY

Final orders should be sent in early to avoid delay at the end of the month.

For full particulars of trade terms apply to Bovril, Ltd., 148-166, Old St., London, E.(

BOVRIL

# Maws



# Page

February 12, 1921

No. 487

# Powder Puffs for Profit.

Think what percentage of your customers are women. Calculate roughly the number of women who enter your shop each day. Practically all these women are possible purchasers of Powder Puffs. They probably buy at least three or four each year. Now, you can decide whether you are getting a reasonable proportion of this business.

There is every reason why these customers should buy their Powder Puffs from you and not from the draper or fancy goods dealer. They already buy their face powder from you, and obviously the two lines are so closely allied that very little effort is needed to connect them in the minds of your customers.

This branch of the chemist's business has not received the attention it deserves. It is profitable and capable of almost unlimited expansion. It will amply repay any efforts you expend on its cultivation.

We have devoted considerable attention to the manufacture of a comprehensive range of Powder Puffs of such high quality as will enable the chemist to secure his share of Powder Puff Sales. Maw's Series of Dainty Powder Puffs will enable you to meet with complete satisfaction every demand of the modern lady of taste and refinement.

For the convenience of our customers we have selected a representative range of the most popular patterns of Maw's Powder Puffs—Eighteen Puffs in all—which we can supply together with a very attractive showcard in colours for £1 net.

Powder Puffs with Maw's Seal the Sign of the Perfect Puff are sold only to the Chemist.

Telephone: City 7 Private Branch

Telegrams: Eleven Cent London

S. Maw, Son & Sons, Ltd., London, England. Cables: Eleven London Code A.B.C. 44&54 Edition

### SPECIAL TRADE NOTICE.

TEASDALE'S ORIGINAL

Chlorodyne

Which does not require the customer's signature on purchase.

Prof. O'Phelps Brown's

**NATURE'S** 

Herbal Remedies

CASSO
THE CLEANSER
per tin 8d. & 1/3

Warnol
Preparations
For the Hair

Keenolia
Toilet
Preparations



ARE PREPARED AT THE LABORATORIES OF THE PROPRIETORS:

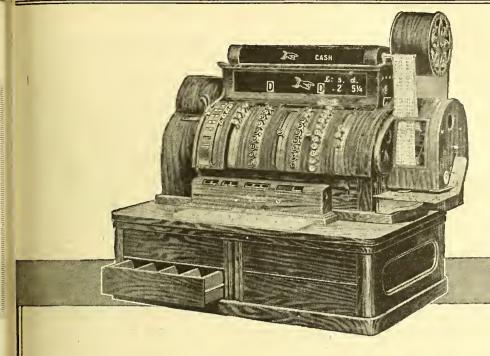
The Casson Chemical Company Ltd.,

WESTBOURNE HALL, W. 2.

For Export and Wholesale Prices apply to 44a WESTBOURNE GROVE, W. 2.

General Supplies may be obtained from all the Leading Wholesale Patent Medicine Houses.

Telephones: Park 2884, 5568, 4287.



# Simplify Your Shop and Office Recording Methods

Departmental Stores, Co-operative Societies, Wholesale Houses and Shopkeepers in every trade testify that the "National" System has proven much more economical, protective and efficient than their former methods.

All essential records are quickly and accurately provided. The figures are printed. This safeguards against alteration or error. It reveals any mistakes and their sources. Stops losses and gives the management immediate and complete control.

This modern method quickly pays for itself. It can be applied to the special needs of any shop or office. Enables a business to be more easily operated and guarantees bigger net profits.

The National Cash Register Co., Ltd. 225 Totterham Court Road, London, W. 1.

Branch Offices in all large Towns.

Telephone: Museum 1680 (4 línes).

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Telegrams:
"Nacareco, Ox, London."

### Write to-day

Further particulars sent without charge or obligation.

It will pay you.

## MARSHALL'S

# Lysol



THE fact that our 1920 sales greatly exceeded those of 1919 proves that the public do discriminate between sound products and dubious ones.

## MARSHALL'S LYSOL

THE ORIGINAL & ONLY GENUINE—will continue to dominate and excel all others. Recent trials and experiments prove that pharmacists need exercise care in buying "Lysol."

By ordering and insisting on MARSHALL'S "L" BRAND you will ensure satisfaction, fixed prices and fair profits.

STOCKED BY ALL WHOLESALERS.

LYSOL LTD., Raynes Park, LONDON, S.W.19

Telegrams:
"Lysolant, Cotten, London."

Telephones: Wimbledon 339/340.



# White Flint Bottles cheaper than Green!

The following are a few lines taken from our Special Price List of Glass Bottles—

### White Flint Dispensing Ovals and Flats

101	gross	4oz.	"Alpha	'' Ova	als	•••		(3) per	gross	28/-	
90	,,	8 ,,	"Londo	n'' O	vals	•••		$(2\frac{1}{6})$	11	33/0	6
20	,,	4 ,,	"Owen:	s''	11		•••	(3)	11	28/-	
86	11	6 ,,	,,		11		•••	(2)	11	30/0	6
145	11	8 ,,	11		11	•••		$(1\frac{1}{2})$	11	33/0	6
79	11	4 ,,	"Philad	lelphi	a'' O	vals	•••	(3)	11	28/-	
127	11	8 ,,	,	,,		,,	• • •	$(2^1_{12})$	11	33/0	6
140	11	4 ,,	"Signet	'' Ov	als			(3)	11	28/-	
60	11	3 ,,	Round !	Edge	"Ant	werp"	Flats	(5)	"	26	6
50	,,	4 ,,	11	1)		,,	11	(5)	91	28	
20	11		11				3,	(5)	11	30	6
88	91	4 ,,	White !	Flint :	Blake	es		(3)	,,	28 -	
30	11	8 ,,	,,	11	11			$(2\frac{1}{2})$	11	33/0	6
****											-

With the exception of the "Antwerp" Flats, the above Bottles are all of American manufacture, and are beautifully finished clear White Glass. The "Antwerp" Flats, as their name implies, are Belgian make; none of them are graduated.

### Squares, White Flint

93 g	ross	4oz.	Cana	dian S	quares		• • •	$\left(4\frac{1}{6}\right)$	per	gross	26/6
64	11	8 "_	,		,,			$(2\frac{1}{6})$		11	<b>35/3</b>
42	, 1	8 ,,	R/C	Square	Flints			(2)		11	35/3
Thosa	Same	arac l	0770 0	****** 1	andcomo	000000	0200	and	000		Labras

The figures in brackets represent the contents of original packages.

These are clearance prices and are subject to bottles being unsold. Five-page leaflet, giving details of other varieties, will be posted on application.

# AYRTON, SAUNDERS & CO. LTD Manufacturing Chemists

### TRULY REMARKABLE TESTIMONY FROM CHEMIST

The best of all preparations for the bath. Sells at 2/- and 3/3 (P.A.T.A.).

The Acme of perfection in Salines. Sells at 3/3 a large bottle (P.A.T.A.).

These products simply will not stay on the shelf.

NOTE.—The following statements were sent us without solicitation of any kind.

Mr. Chas. Robertson of St. Andrews, wrote us saying that our products were proving so restless that he had difficulty in keeping them on his shelf. He had just made three sales within 15 minutes. Mr. J. L. Lewis of Harlesden, and many other Chemists have also written us telling of similar experiences.

In a recent advertisement we reproduced Mr. Robertson's letter in facsimile, and Mr. A. W. Cornish of Bristol, after reading that announcement, now writes us to say he has eclipsed even Mr. Robertson's record, having himself made four sales in five minutes.

By special permission, we reproduce below, in full, the letter which Mr. Cornish has kindly sent us.



Mesers Saltrates Ltd., 212/214, Gt Portland St,

1111111

April 24th. 1920:

Dear Sirs:- I was reading through reproduction of Mr Robertson's (St Andrews) letter on page twelve of to-day's date Chemist & Druggist and I think this afternoon I surpassed his feat, in my shop as above. Four customers following, purchasing Saltrates preparations, as follows.

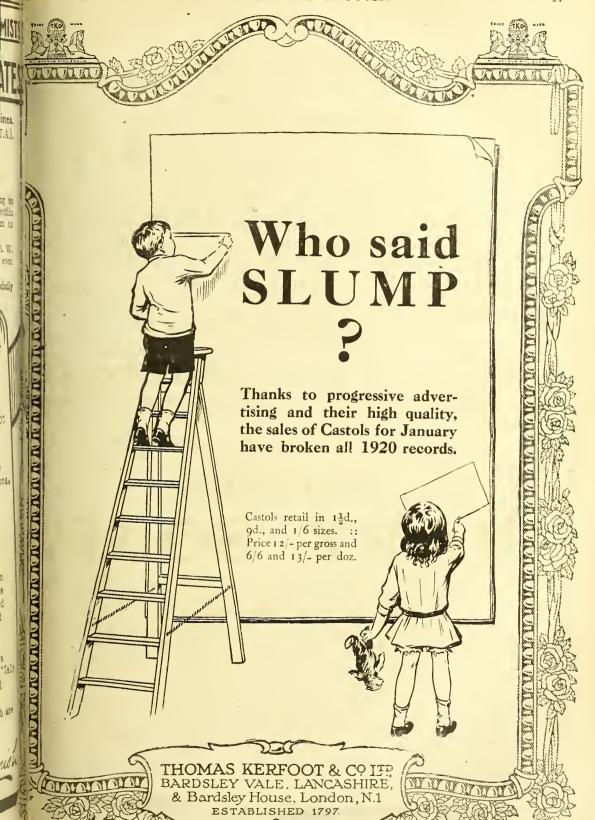
2/- Reudel Bath Saltrates ) All in 3/3 Alkia Saltrates ) minutes 2/- Reudel Bath Saltrates or 80 .

Later on in the day I was asked for another 2/- size Reudel, but in this case the customer would not take the 3/3 size, so I missed the sale, having just sold the last small package. I am quite prepared to admit that this is a coincidence that does not often occur, and probably was in part due to other brother Pharmacists being "Sold out". But your preparations are always good sellers with me. I thought the foregoing would interest you, and it is absolutely authentic, as my Lady Assistant can witness. If the "Tale

wants adorning" and I may "point a moral", I would say never load up your shelves with goods that stick there, but to borrow Wr Robertson's "natty" phrase fill up with "restless" goods, which are reatless to the point of removal for "Cash Till Food".

With compliments,

Yours faithfully, Oll Cornish



the

口口口

## BOURJOIS PARIS POUDRE de RIZ de JAVA

No. 45. 1/3 Size.

1 doz. ... 10/- doz.
6 ,, ... 9/9 ,,
12 ,, ... 9/6 ,,

No. 495. 10½d. Size.

1 doz. ... 7/6 doz.
6 ,, ... 7/3 ,,
12 ,, ... 7/- ,,

The P.A.T.A. Prices for "Poudre de Riz de Java" are 1/3 and 102d. per box. "JAVA" Powder is now being largely advertised to the Public.

LOOK TO YOUR STOCKS.

A. BOURJOIS & Cie, Ltd., 66 Carter Lane, LONDON, E.C.

# JOHNSON'S BABY SOAP.

The Companion to the World-known Antiseptic Toilet and Baby Powder

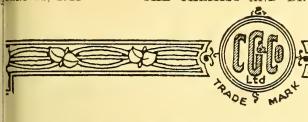
It is a perfectly bland, neutral soap, suited for either babies or grown-up people. It may be used in the same manner as an ordinary toilet soap with absolute confidence. The most delicate skins are those of the new-born baby or very young child. Johnson's Baby Soap originated in a desire by physicians and nurses for a soap suitable for the baby's skin.

#### BRITISH MADE.

Packed 3 tablets in box. Price 8/- per doz. tablets.

JOHNSON & JOHNSON, Brunswick, NEW JERSEY, U.S.A.

JOHN TIMPSON & CO., Ltd. 104/106 LONDON, E.C. 1



# There are Baby Powders and Baby Powders

ranging in quality from the ordinary Violet Powder type to the highly absorbent, delicately perfumed and efficiently antiseptic grade.

Even on the principle that nothing is too good for Baby, and further, that giving satisfaction to his customers by handling a super-quality line is good business, the retailer must discriminate in his purchases of this commodity.

But when these merits are combined with exceptional terms, namely--

a 10½d. article at 6/6 per doz. showing an assured profit of 38 per cent. on Sales and when purchased on best terms—with a special bonus of 18 free boxes, showcards, etc.—a profit of over 45 per cent.,

such a line must compel the immediate attention of the Pharmacist.

"SANOID" BABY POWDER alone offers you all these advantages.

Write to-day-

Cuxson, Gerrard & Co., Ltd.,
OLDBURY, near BIRMINGHAM.



TERI

Anise (An Bay Bergam Caraw

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-Bu

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# ROSE & CO.

# Brillantine-Chlorophyll

THE ONLY COMBINATION.

Write for SAMPLES and QUOTATIONS.

# HAARLEM - HOLLAND.

Constant Quality at Constant Prices

TAYLOR 100 100

ARTIFICIAL

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SOCIÉTÉ FRANCAISE DE PRODUITS AROMATIQUES

(Anc. Etabl. GATTEFOSSÉ)

13 Rue Camille - LYON (France)

Agents for United Kingdom:
FORWOOD & DONALDSON,
26 Ropemaker Street, Finsbury. London, E.C. 1. [2]

# MENTHOL CRYSTALS PEPPERMINT OII

We are at all times in position to quote c.i.f. Send us your inquiries by cable. We sell all brands, but, unless otherwise specified, we ship "J.M." Brand, which we sell under our guarantee that chemical analysis will prove it in every respect as pure as any.

Remember that we are entirely British - American owned and operated.

THE MUTUAL TRADERS

24 NAKAYAMATE - DORI, 2 CHOME KOBE, JAPAN.

Cable Address: "SIMSLAND."

### TERPENELESS OILS

We manufacture exclusively ourselves all kinds of Terpeneless Oils, and invite inquiries from users throughout the world.

WE SPECIALISE IN TERPENELESS:

Anise (Anethol)

Bay Bergamot

Caraway Cassia Cinnamon Clove

Dill Geranium

Ginger Juniperberry Lavender Lemon

Limes Mandarin

83

CITRAL EUCALYPTOL

Nutmeg Orange DL Peppermint Petitgrain Rosemary SICILIAN SERGAM

LEMON - BERGAMOT ORANGE - MANDARINE.

### -SPINELLI

The Oils that have a Long Reputation for Quality.

In the manufacture of our Terpeneless Oils it was imperative that w secured the very finest Sicilian Oils to work upon. After several exhaustive t sts we came to the conclusion that the "SPINELLI" brand of Sicilian Oils gave us the best results. As we were able to place large orders for our own needs with the manufacturers, we have pleasure in stating that they have entrusted us with their British Agency, and we offer to users of Sicilian Oils the benefit of our experience. There is a quality in every package, Guaranteed Genuine Oils of authentic origin, and to conform to any analysis as to purity.

### HOLLANDS DISTILLERY LTD

Lavington Street, Southwark, LONDON, S.E. 1.

A B C Code, 5th Edition. Western Union. Telegrams: "LANDSLOH LONDON." Telephone: Hop 898.

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INDIAN AGENT .- Mr. W. CARR, c/o GRINDLAY & CO., BOMBA '.

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- PURE - SS

OTTO DE ROSE

Suaranteed by - SS

F & A. Swanzy Limited.

West Africa House Kingsway.

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### Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the Best Otto in the market. It is the Standard Brand—always pure. uniform and one quality only. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED-ALWAYS USED.

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THE "D & O" BRAND

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# ESSENFLOUR PRODUCTS LTD. MYSORE (S. INDIA)

Distillers of Essential Oils and Manufacturers of Perfumery Products

AMBRETTE SEED OIL
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Sole Agent for Europe—

### K. B. MAVLANKAR

26/27 Hatton Garden, LONDON, E.C.1

and 29 Corporation Street, MANCHESTER.

Buy from the Actual Distillers.

## **EUCALYPTUS**

B.P. & U.S.P. OILS 60/65% 70%

EUCALYPTUS AMYGDALINA EUCALYPTUS CITRIODORA EUCALYPTOL (CINEOL)

We will quote you C.I.F. afloat or ex London Stocks.

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TERPENELESS ESSENTIAL OILS

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PURE SICILIAN ESSENTIAL OILS

The Best on the Market

EXPORTATION THROUGHOUT THE WORD

GIUSEPPE MACAJONE, MILAN)
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# "THE GENUINE" EAU DE COLOGNE

OF

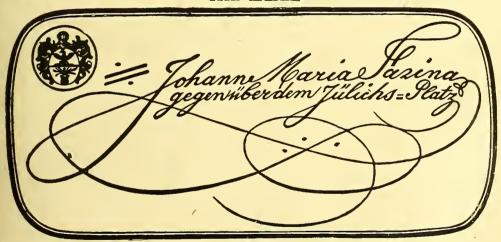
### JOHANN MARIA FARINA, GEGENÜBER DEM JULICHS-PLATZ COLOGNE

HAS had a world-wide reputation for over 200 years, and has obtained the highest awards at all International Exhibitions—London, 1851 & 1862; Paris, 1855 & 1867; Grand Prize, Paris, 1900.

THIS Eau de Cologne has always been known to the Trade as "The Genuine," and its incomparable quality has never varied in the slightest degree since it was first invented over two centuries ago by the ancestor of the present maker.

It has always been made at the same address by the same family, and its composition is a most jealously guarded secret, which has never been divulged under any circumstances.

THE LABEL



HAS been widely imitated—but note the inverted "r" (almost like a z) in the name Farina—and no less than thirteen actions have been brought in the High Court of Chancery to protect it.

HIGHLY advantageous prices and terms on application to the British Empire Distributors:

### BLACKALLER & PLEASANCE

8 LAURENCE POUNTNEY HILL

: LONDON, E.C. 4

Duty-paid stock of all sizes for immediate delivery, carriage paid.

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W. H.

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RANK Note Note



Sapon Cereal Soap

The soap that makes the skin Yeel Clean & Refreshed and Grow Healthier Every Day

THE MEMBER

Use Sapon and Feel Clean
BETTER SOAPS—BETTER PROFITS.

WRITE FOR PRICE LIST:

SAPON SOAPS LTD., LONDON BRIDGE, E.C. 4.

MADE FROM CEREAL BY-PRO-DUCTS.

PERFECT FOR THE SKIN.

DOES NOT COMBINE WITH LIME OR MAGNESIA SALTS IN WATER.

LATHERS FREELY IN HOT OR COLD, SOFT OR HARD, AND EVEN SALT WATER.

WONDERFUL RUSSIAN TAR, SWEET-SCENTED IDEAL, AND OTHER VARIETIES.

RECOMMENDED BY DOCTORS AND NURSES EVERYWHERE.

We are in no way connected with any combine of soap makers.





## STRODONIA Vanishing Cream.

NOW SUPPLIED IN
ALUMINIUM

SCREW - CAPPED JARS

10½d. size—7/6 doz. 1/3 size—10/6 doz. FROM LONDON WHOLESALERS,

Direct orders value £5, subject to 1 doz. 1/3 size Bonus for window display and 5% discount casts, one month; £2/10/subject to 2-doz. 1/3 size Bonus for window display, net £1/10/0 subject to 2-doz. 1/3 size Bonus for window display, net £1/10/0 subject to 2-doz. 1/3 size Bonus for window display, net £1/10/0 subject to 2-doz. 1/3 size Bonus for window display, net £1/10/0 subject to 2-doz.

STRODE COSH & PENFOLD, Broadmead, BRISTOL

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(ESTABLISHED 1896)

Broom Lane, Levenshulme, MANCHESTER

MANUFACTURERS OF

### SHAVING CREAMS

Packed in 1-lb., 2-lb., 7-lb. Boxes and 56-lb. Cases. Also packed in Collapsible Tubes. PROPRIETORS & MANUFACTURERS OF

### RENARD'S POMADE HONGROISE

Also supplied in unlabelled Tubes and Bulk.
Samples and Prices on Application.
WHOLESALE ONLY.

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## POUDRE DE LUZY

JANUARY SALES HIGHEST YET RECORDED.

To any trading chemist not yet acquainted with this line, we will send

### FREE

one  $10\frac{1}{2}$ d. box for testing purposes.

We are appointed Sole Distributors to the Drug Trade of

### CORBETT'S

SHOW CASES, SHOW COUNTERS EDISPLAY ACCESSORIES.

We illustrate this firm's most popular line.

#### ASTRAL STANDS.

1, 8	in.high	1,3 gl	lass she	elve	s, 15/-
2,12	,,	3	,,		17/6
3,19	11	4	,,		28/6
4, 25	,,	4	,,		30/-

COLLAPSIBLE OXYDISED COPPER STANDS. BEST PLATE GLASS.

Better displays mean bigger business.

ASTRAL means better displays.



W. H. CALNAN & CO., Ltd., 30-32 Ludgate Hill, E.C.4.

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### PUFF BOXES

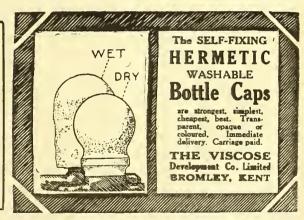
CHEAP CLEARING LINE.

0 GROSS LARGE @ 45/- PER GROSS 0 GROSS SMALL @ 39 - PER GROSS

SUBJECT TO BEING UNSOLD.

### FRANK BUCKLER, LTD.

stle Works, Mount Pleasant Rd., Tottenham, London, N. 17.



# "IRISH ELEGANCE"

The Winning Perfume—Fragrance of Midsummer Roses.

n three sizes Wholesale Retail ... 28/- doz. ... 3/6

Medium ... 48/- ,, ... 6/arge ... 168/- ,, ... 21/-

Usuai Trade Terms.

PRODUCT OF

The EVAN-WILLIAMS Co., Ltd.

18-18a Ogle Street, London, W. 1.

SHOWCARDS SUPPLIED.

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## Hovenden's Toilet Preparations.

Attractive in Appearance, Reliable in Quality and Delicately Perfumed.

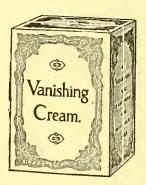
#### SEASONABLE



#### SALEABLE

Suitable for High-Class Trade.

Bear our Trade Mark as a Guarantee of Quality.

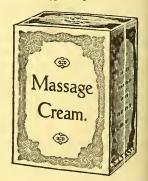


WHITE. No. 4764. 2-oz. size. 13/- doz.

Invaluable for all



No. 4766. 2-oz. size. 13/- doz.



No. 4765. WHITE. 13/- doz. No. 4768. 2-oz. size. PINK (Non-Greasy). 13/- doz.

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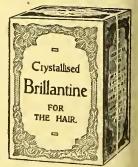
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Madame St Croixs MOMILE S

CHAMOMILE CHAMOMILE & ROSEMARY, PINE. 7 packets in carton. No. 4747. 12/- doz. cartons.

Any article on this page can be supplied with Customer's Name Address, in 1 gross and quantities, FREE OF EXTRA CHARGE.

Each in Artistic Carton with Transparent Covering.



ASSORTED PERFUMES. No. 4762. 2-oz. size. 12/6 doz.

#### **OUOTATIONS** FOR LARGE **QUANTITIES.**

Subject to 2½ per cent. Cash Discount. A copy of our Monthly Illustrated List will be sent on application.

### R. Limited

89, 91, 93 & 95 City Road, Finsbury, E.C.1. Tel. No.: Clerkenwell 1260 (2 lines); and LONDON. 29, 30, 31, 32 & 33 Berners Street, Oxford Street, W.1. Tel. No.: Museum 2810 (3 lines)

Factory, 41 to 53 Britannia Row, Islington, N.

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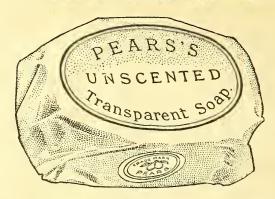
Open an account with open on account with Talona Toils
The heighton halona doubt what good and know and know open on account with the state of the s

SENCI a postcard for particulars of monthly parcel series. These are supplied on most advantageous Terms, and carry special extra discounts, Forceful display adventising matter, and counter wrappers supplied free

### Goods you are asked for:

Leighton Hair Beauty Outfit. Quin-Quenna. Quin-Quenna Extrait. Quinolox. Quin-Quenna Hair Cream. Bi-Pastrate of Quinolox. Sapinol Washing Cream. Sapinol Dusting Powder. Sapinol Rose (a Cream). Sapinol Rose Leaf (Powder). Sapinol Egg Shampoo. Sapinol Henna Shampoo. Sapinol Perfume Stone. Sapinol Whyteleaf. Sapinol Dental Foam. Papillon Beauty Food. Poudre Papillon. Margery Skin Food Soap. Anthony Leighton. Triple Extract of Almate.

Manufacturers and Sole Preprieters, LEIGHTON LABORATORIES GRAY'S INN ROAD, LONDON, W.C. 1



Our figures show that the public demand for Pears' Soap is steadily increasing.



A. & F. PEARS, Ltd., 71-75 New Oxford St., London, W.C.1

ō



Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone."

A big vigorous, impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

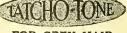


THE HAIR GROWER

Wholesale

26/-

PER DOZEN.
Wholesale:



FOR GREY HAIR

PER DOZEN

GEO. R. SIMS' HAIR RESTORER CO. 5 Great Queen St., Kingsway, LONDON, W.C.2.

# 'RECAMIER' Toilet Productions.

ACKNOWLEDGED TO BE UNIQUE

Chemists can recommend them with confidence, and they carry a good profit.

Enquiries Invited.

#### PRICES:

Crème Recamier, 1/6, 3/- and 5/6 Savon Recamier, 1/3 tab., 3/6 3-tabs. Crème de la Harem, 1/3, 2/6 and 4/6 Special Face Powder, 1/6 and 2/6

We will supply Chemists with a Few Samples and Counter Literature Gratis,

Recamier Toilet Products Co. 4 ST. JAMES'S STREET, LONDON, S.W.1

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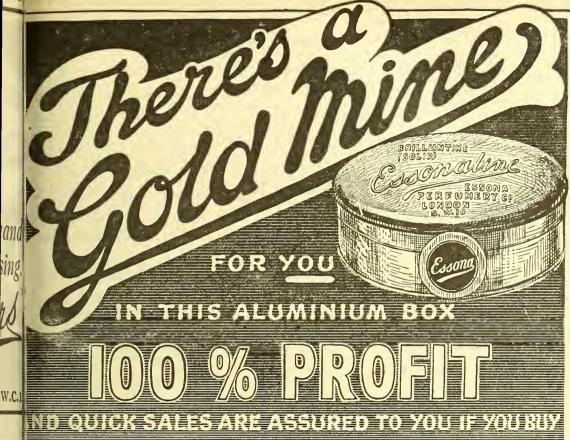
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ood pro SSONALINE is the finest and smartest t-up Solid Brilliantine. It is packed in ndsome Aluminium Containers, the istration being reduced in size.

Wholesale 8/- a dozen.

secial regular prices for a fortnight's ow in your window each time you y, as follows:

3 doz. at 7/6, 6 doz. 7/3, or 12 doz. or more at 6/3.

rriage Paid.  $3\frac{3}{4}\%$  discount for Cash with Order. stinctive Showcards Gratis.

DISPLAY ORDER FORM.

CUT HERE

To ESSONA PERFUMERY COMPANY (Hicks, Mills, Elsworthy & Co., Ltd., Proprietors) Essona Works, LONDON, S.W. 19.

> Please send, carriage paid, .....doz. Essonaline at.....a doz. I/we will give a fortnight's Window Show. (If cash enclosed, state amount: £ : ).

> > NAME .....

ADDRESS.....

Retail.

### PROFITABLE LINES

#### SPUN OINTMENTS

In new series of Decorated Tins.

Write for Quotations.

"NUXOCOL" LIQUID COCOA NUT SHAMPOO Sells 1/9

12/- doz. Showcard.

"NUXOCOL" COCOA NU SHAMPOO POWDER

24/- gross Sells at 4d.

### BRILLIANTINE

New Series.

#### FRO - ZOF

An entirely new preparation for Corns. Showcard.

#### JABORANDI OIL

For the Hair

New Brilliantine Hair Grower Price 11/- doz. Sells at 1/9 Packed in Show Outers of 6.

### Poudre Charme de Riz

An entirely new line, most profitable to handle.

3 sizes: 4½d. 1/- and 2/-Cost: 36/- gr. 78/- gr. 144/- gr.

#### COLD CREAN

New design label. In octagonal pots.

Beautifully packed. Fine Sell

We pack everything necessary to a Chemist's Business.

Wholesale Manufacturing Chemis, BLACKIE, Shen Works, Tower Bridge Road



The Original & Successful Remedy for PYORRHŒA Prescribed by the Dental Profession.

PRICES.

Wholesale Gnobuding Government Duty)

Bental Paste ... 22/- per doz . . 6d. 2/6 per tube

Mouth Wash ... 44/-&27/- ... 1/- 5/-&3/- , bottle

Special Brush ... ... 24/- per doz . 2/6 each

Dental Tooth Powder (Large Size) 18/- ... 2/- ...

Of Wholesalers, or direct from

ORISAL Ltd., 77 George St., Portman Sq., W.1.

# SOLID

See Other Side.

### PLEASURE OF DOING BUSINESS

becomes real when you have real confidence in the and quality of the article you are selling. The following selection from our post bag is sufficient to indicate the delight of those who use and in consequence recommend to their friends Midgley's Emollient Cream. The merits of this Cream appeal to users of every class and will consolidate the goodwill of your customers.

"I consider your Emollient Cream excellent, and shall ELLALINE TERRISS REAN always use it."

"A very refreshing and cleansing liquid."

MARGARET COOPER

"Please send me . . . your Emollient Cream, which I LILIAN BRAITHWAITE have found excellent.'

"I think it the most effective of its kind."

BETH ELLIOTT

hem!" It has been most beneficial."

MABEL KNOWLES

on, S.E. "It is certainly very good. I will be pleased to recom- BETTY BARCLAY mend it to my friends.

"Your Emollient Cream is excellent. I shall never be GERTIE GITANA without it as it is invaluable for motoring.'

VIOLET LORAINE

"I think it delightful in every way."

"I find the cream superior to any others."

MARIE HALL

"I have found it most excellent for the skin."

DOROTHY WARING

RICHMOND.

"It is invaluable and I am glad to have it again. Will you please send me three tablets of your Emollient Cream Soap."

DERBY.

"Send me by return. . . I find it most excellent for the hands."

CHELFORD.

"I have been advised by my doctor to get it from you."

"Miss — (who is a farm worker) has never found anything to equal this preparation for keeping her hands in a good condition. It is excellent."

HYDE PARK.

"I wish again to say it is most excellent, quite the best I have ever

WOKING.

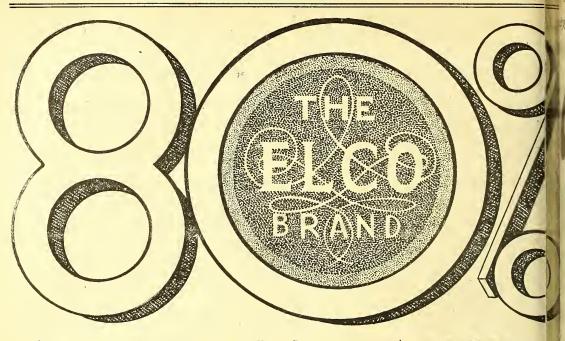
"Let me know if procurable in London. I find it better than anything else for the hands.'

4 pp. leaflet with prices, terms and bonus offer, sent on request.

### SONS LESCHER & WEBB LIMITED

Ilesale Distributors

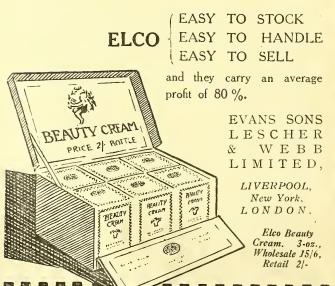
Liverpool, London & New York.



is the average profit on the Elco Series of Medicinal and Toilet Preparations.

Elco provides a complete series of 31 different Toilet and Medicinal Specialities prepared from improved and carefully revised formulæ and packed in cartons of distinctive design.

Their wide range, attractive appearance and the generous supply of advertising material, make the initial sales easy, but because quality was our first consideration the sale of any one creates good will for all the rest.



-		-	
	/ W	holesale	Re
	Aspirin Tablets, 25's	5/6	. 10
	do., 100's	15/9	
	Bay Rum and Cantharidine		
	Hair Wash, 4-oz ···	19/	
	Blood Purifier, 6-oz	15	
	Boroformic Soap (Boxes of	10	
		19/6	
		10d. per	
	Borated Dusting Powder	8/6	
	Brilliantine (Solidified)	9/6	•
	Carlsbad Powder, 4-oz	20/6	
	do. 8-oz	30/	. '
	Chemical Food, 4 oz	13/6	
	do. 8-oz	22/	. :
	Chilblain Tablets, 25's	6'	
	Cold Cure Tablets, 20's	6/	
	Cough Syrup, 22 oz	13/6	
	Dental Foam	10/	
	Digestive Syrup, 2½-oz	14/3	
	Emulsion of Cod-Liver Oil	14/0 00	
	111 77 1 6	14/6	
	do. 12-oz		
	Ext. Malt (uncartoned), 1-lb	18/9	
	do, 2-lb	33/3	٠,
	do. 4-lb	64/3	
	Extract of Malt and Cod-Liver		
	Oil (uncartoned), 1-lb	20/9	
	do. 2-lb do. 4-lb	37/6	
	do. 4-lb	72/9	. 1
	Foot Tablets, 23's	5/9	
	Glycerine and Cucumber		
	Cream, 22-oz	11/3	
	Hair Invigorator, 6-oz	20/	
	Headache and Neuralgia Tabs		
	16's	9/	
	Household Embrocation, 4-5z.	13/10	
	Hypophosphites, 8-oz	33/6	
	Liver Tonic, 5-oz	18	
	Rubbing and Healing Ointment	8 3	
	Saline, 6 oz. ··· ··· ···	16/	
	do. (loose) gr		ea.
	Syrup of Figs, 2½-oz	12/	
	Tooth Powder	13/	•
	Vanishing Cream 2-oz	11/6	
	Witch Hazel Foam 24-oz	11/6	•
	Terms: NET		
	Germs: IVE I	•	

SPECIAL TERMS FOR £5 ORDERS 5 % Discount and 100 large 32-pa

illustrated booklets in decorated outer, supplied free.

## Old Favourites Keep Old Custom New Lines Make New Custom

OR years Gibbs old-established well-advertised lines have helped your sales.

They have won for themselves a special nook in your cases —as they have in the hearts of the public. This year they bring with them new lines, all attractive propositions to handle—all up to the famous Gibbs standard of excellence. May we ask you to bear them in mind when ordering your new stocks?

## Old Favourites

Dentifrice

As near the ideal dentifrice as it is possible to manufacture. In aluminium tins, 7½d.; in de Luxe Polished Cases, 1/6; Refills (for de Luxe size only), 1/-

Dental Cream

Dental Cream

Possessing all the virtues of Gibbs Solid Dentifrice in a cream form.

7 d. and 1/- per tube

Cold Cream Foam

(Vanishing Cream) A delightful cream for everyday use. In jars, price 1/-

"Wind-Sifted" Talcum Delightfully perfumed, extraordinarily smooth and fine. In flasks, price 1/-

Cold Cream Soap

The baby and complexion soap in the pink wrapper. Price 7d. per tablet

Cold Cream Shaving Soap Contains a large percentage of healing, soothing, cold cream ointment. In Sticks. Tins. and Bowls, 9d., 1/s, 1/3 and 1/6

"Kura" Soap

The ideal Medicated Soap, price 10d. per tablet

£5 00

Crystallized Brilliantine A scientific blending of fine oils, solidi-fied and suitably perfumed.

## New Lines

Ambrosial Shaving Cream
Richly perfumed, lathers profusely.
Each pot in a carton, price 1/3

Unsurpassed lather, while its fragrance lasts for days in the hair. Each bottle in a carton, price 2/-

Cold Cream

A perfect Skin Food Cream for use at night. In jars, price 1 6

Complexion Cream

A toilet Vanishing Cream with a distinct difference from any other. In tubes, price 1/-

Denture Tablet

Specially made for cleaning dental plates and artificial teeth. In aluminium cases, price 1

Liquid Dentifrice

A scientifically compounded Mouthwash, Spray and Gargle. Each bottle in carton, 3/-

Children

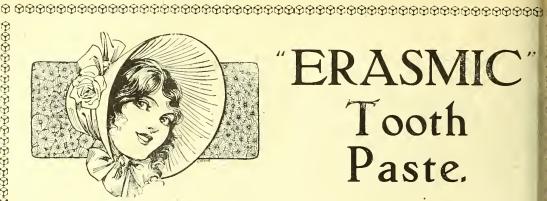
Special Tooth Brush for

British made, bone handles, best bristles. In hygienic cartons, 1/6

F you have not yet received your copy of our New Price List, please let us know and we will send one immediately.

D. & W. GIBBS, LTD. (Dept. S2.) City Soap Works, LONDON, E. 1.

All the above are Retail Prices.



## ERASMIC Tooth Paste.

The most effective oxygenated tooth cleanser, beautisser & preserver.

Our whole back-page coloured advertisements which are appearing in the best illustrated weekly papers are creating a big demand which must be met. If you are not stocking Erasmic Tooth Paste at present you are losing sales.

> SPECIAL BONUS OFFER FOR WINDOW DISPLAY.

"ERASMIC," Perfumers, WARRINGTON.

A NEW SIZE

OF

## **CALVERT'S** Carbolic Ointment

THE 2/3 TIN

has been brought out for the Home market, as the limited supplies of the 2/9 jars are quite inadequate to meet the demand.

To avoid delay and disappointment, therefore, chemists are requested to order their supplies in tins (two sizes, 1/3 and 2/3 retail) instead of the 2/9 jars, which are not likely to be available.

Current Price List sent post free on request.

F. C. CALVERT & CO., MANCHESTER.

## QUALITY, APPEARANCE and PRICE

These are three considerations the keen distributor has to bear in mind. If you study these points it will pay you to send for our Price List.

ALL ORDERS CARRIAGE PAID and COMPLETE SATISFACTION GUARANTEED.

## THE ABBEY CO. LTI

4 Clerkenwell Green, LONDON, E.(1

Manufacturers of all Kinds of Perfumes and Toilet-Preparations

Phone: 9693 CENTRAL

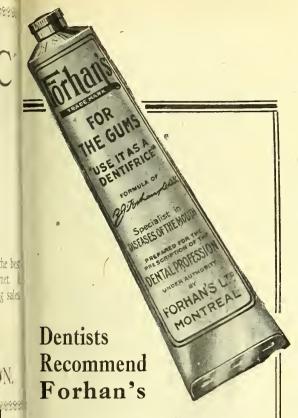
net.

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FACTIO

DON,



BECAUSE dentists are convinced that Forhan's For the Gums-if used in time consistently-positively prevents Pyorrhœa-they are recommending its use by their patients at home.

Forhan's For the Gums contains a certain portion of Forhan's Astringent, and therefore is doubly valuable as a dentifrice and a preventative treatment for Pyorrhœa-that dread disease which affects four out of five people over 40 years of age.

You can benefit by the very extensive advertising of Forhan's now appearing in most of the leading publications by stocking a supply of Forhan's to-day. Wherever sold, Forhan's establishes customer goodwill and builds up permanent trade.

Forhan's comes in convenient tube form, in one size tube only. Prices and information on request.

THOS. CHRISTY & CO. 4-12 Old Swan Lane, LÓNDON, E.C. 4.

FOR THE GUMS

## DEARBORN

37 Gray's Inn Road, LONDON, W.C.

## Toilet Specialities.

0		Price per coz.	Selling Price
PILENTA SOAP	-	10/-	1/ <b>-</b>
PROLACTUM -	- ,	10/-	1/-
PARSIDIUM JEI	LLY	10/-	1/-
For wrinkles. ALLACITE of OR		22/6	2 6
A dressing cream. BL BORANIUM -	OSSOM	22/6	26
A hair tonic.  CLEMINITE -	-	22/6	2/6
For a face lotion.  COLLIANDUM -	-	22/6	2/6
For a face tint PERGOL	-	22/6	2/6
A deodorant. STALLAX	-	22/6	2/6
For a shampoo.  JETTALINE		31/6	3/6
For clearing the skin.  PHEMINOL		36/-	4/-
A depilatory.  MENNALINE -		36/-	4/-
For the eyelashes.  MERCOLIZED V	VAX	31/6	3/6
A face cream. STYMOL	-	36/-	4/-
For oily complexions and be BARSYDE -	lackheads.	22/6	2/6
Dandruff eradicator. TAMMALITE -	-	22/6	2/6
For grey or faded hair LIQUID PERGOI		31/6	3/6
To check excessive perspir BICROLIUM -	ation locally	22/6	2/6
For whitening the hands. HARAPOSA -	э	22/6	2/6
Nut oil shampoo.			

STOCKED BY ALL WHOLESALE HOUSES

## COLONIAL DEPOTS AND AGENCIES.

AUSTRALIA:

AL! WHOLESALERS, and DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON. & CO., Ltd (Cape Town)
SIVE BROS. & KARNOVSKY, Ltd. (Johannesburg)

NDIA:

KEMP & CO., Ltd. (Bombay)

THE INTERNATIONAL TRADING CO., Princess Street (Bombay)

R. MACLURE (Madras),

SMITH. STANISTREET & CO. (Calcutta).

MEHTA BROS (Calcutta)

JANNADAS BROS. (Bombay)

NEW ZEALAND: SHARLAND & CO., Ltd. (Auckland & Wellington)

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Bueaos Aires.



Actual Size.

## By COMMON CONSENT THE PREMIER

for giving

BRILLIANT, LASTING POLISH

FINGER NAILS.

DAINTY HINGED

#### ALUMINIUM **BOXES**

WITH FULL DIRECTIONS

PER 6/- DOZEN.

IN SHOW BOXES OF ONE DOZEN. Manufactured by

SOLPORT BROS., LTD. 184-190 Goswell Road, LONDON, E.C.1

Obtainable through all Wholesale Houses.

<u>នីការប្រហាយក្រោយក្រោយក្រោយក្រោយក្រោយក្រាយក្រាយក្រោយក្រោយក្រាយក្រាយក្រាយក្រាយក្រាយក្រ</u>

## ORDER NOW!

Why throw away your old Safety Razor Blades? Use them in the "JIGGER"

NEAT AND FLAT IN THE POCKET.

HIGHLY PLATED

THE SAFETY CORN CUTTER STROPPING HANDLE OPENER TRADE JIGGER CIGAR CUTTER STRING CUTTER (WHEN CLOSED FOR THE POCKET)

RENEWABLE BLADES

SHOWS A GOOD PROFI

BON

Advertised in all the leading papers. Attractive show matter supplied free. Obtainable from all wholesalers, or froi

## WATSON, SON & CO

70a Basinghall Street, London, E.C.2.



We are now putting up £12
parcels of assorted HAIR
BRUSHES, and £3 parcels
of NAIL BRUSHES.
Attractive lines and good value.
Let us send you one.

AXMINSTER - - DEVON.

the P.A.T.A. No. 522, No. 523. 20/- 23/3 2/6 3/-No. 519 (Child 12/-1/6 Wholesale, per dozen Retail Price, each ... Stocked by all Wholesale Druggists' Sundriesmen OOT SHOWCASE SUPPLIED FREE **EACH** WITH DOZEN.



Blades?

TENEWABLE

SHOWS A

2 CO.

## REDUCED PRICES.

Toilet and Medicinal Preparations packed in Collapsible Tubes.



## TOILET PREPARATIONS.

	$\frac{1}{2}$ oz.	1 oz.	2 oz.
	2/8	4/-	5/9 doz.
	2/10	4/4	6/2 ,
	3/1	5/-	7/- ,,
•••		9/-	,,
	2/8	4/-	5/9 ,,
	2/10	4/4	6/2 ,,
•••	2/8	4/-	5/9 "
		2/8 2/10 3/1 2/8 2/10	2/8 4/ <del>-</del> 2/10 4/4 3/1 5/- — 9/- 2/8 4/- 2/10 4/4



## MEDICINAL PREPARATIONS.

		₹ 0Z.	I OZ.	∠oz.
Blue Ointment		<b>5/2</b>	8/9	15/9 doz.
Boracic ,,		2/10	4/4	6/2 ,,
Calomel ,,		4/10	8/-	14/- "
Capsicum ,,		3/2	4/10	7/- ,,
Sulphur "		4/-	6/2	10/6 ,,
Zinc ,,		3/10	5/6	
Borated Petroleum Jelly		3/2	4/10	
Capsicum ,, ,,		3/4	5/-	7/8 ,,
Carbolized ,, ,,		3/2	4/10	
Vaseline (White Petroleum	Ielly)	3/4	5/-	7/8 ,,
Vaseline (Yellow Petroleum		3/2	4/10	7/
to the first to th	Jeny	0/2	<b>T</b> / <b>I U</b>	4 / 33

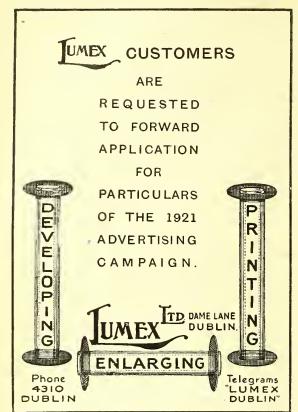
Customer's name FREE on 3 dozen of any one preparation.



BONUS.—With an order for 2 gross assorted Preparations, we will give a bonus of 1 dozen 1-oz. tubes of any Toilet Preparation.

Telephone: HOP 4170 (2 lines). WILLIAM TOOGOOD LTD 77. SOUTHWARK ST LONDON, S.E.I.

Telegrams:
"TOOGOOD,
BOROH,
LONDON."



Developing, Printing and Enlarging for Chemists.

WE are open to accept Amateur Work for the coming season.

Please apply early, as we keep to the 36-48 hour system, and can only take a few new customers.

GIDDEN. 18 London Street, SOUTHPORT.

enables any Chemist anywhere to run a lucrative Photographic Dept with the minimum of trouble and wit the assurance of good work, alway on time, at moderate prices.

Drop a card now for particulars and Trade Tern

Photo Dept., 8 Castle St., Sheffield.



White

Horn

Blond

## **GREAT REDUCTION**

IN PRICES.

Vulcanite DOUCHE FITTINGS and Pipes.

French SHAVING Brushes also TOOTH Brushes

TO BE CLEARED.

New Lines in

NAIL BRUSHES DUST COMBS POCKET COMBS

Manicure Requisites

Hygienic Rubber Goods (a specialité) WHOLESALE ONLY.

## RENÉ F. HEYMANS

9/10 DOMINGO STREET,

Tel.: 3765 City.

LONDON, E.C. 1.



IFICIAL CLINICAL & INDUSTRIAL THERMOMETERS

READERS & MAGNIFIERS, EYE SHADES, EY - BATHS, HEARING INSTRUMENTS, ETC. Catalogues upon application to

JOHN BAIRD, Wholesale and Manufac Opticin, 68 & 70 MITC LL STREET, GLASGOW. See Ruyers' Guide Section for other goods stocked.

## 

AN INVITATION to the Chemist ar Druggist to write us for samples and prices

BRITISH MANUFACTURED

## RUBBER SURGICAL GOOD!

Superfine quality and cheaper than importe No Order too Large.

No Order too Sma

We appreciate your enquiries.

The Kenley Seamless Ruhher Work:

67 LOWER ADDISCOMBE ROAD,
EAST CROYDON.

## OMBS

No.

167 119

209 196

115

117

174

189

104

105

216

165

144

143

140

Black

11

Black

White

vulcanite

White celluloid

Black vulcanite

Black celluloid

.. vulcanite

White celluloid ..

LADIES' D	RESSING	COMBS.
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No.			Size.	Per Doz.
184	Black, non-inflammable		$7\frac{1}{2} \times 1\frac{1}{2}$	" 8/0
185	,, celluloid		$8 \times 1^{\frac{3}{4}}$	" 9/6
118			$8 \times 1^{\frac{3}{4}}$	
121 -	., celluloid, burr grail	led	$7\frac{1}{2} \times 1\frac{1}{4}$	″ 13/0
116	Shell, ,, ,,		$7\frac{1}{2} \times 1\frac{1}{4}$	′′ 13/0
195	Black vulcanite ,,		$8 \times 1^{\frac{3}{4}}$	
168	White celluloid ,,		$7\frac{1}{2} \times 1\frac{1}{4}$	
107	Black ,,		$8 \times 1^{\frac{3}{4}}$	
106	White		$8 \times 1\frac{3}{4}$	
188	Black ,,		$8 \times 1^{\frac{3}{4}}$	″ 2 <b>7/0</b>

### SMALL TOOTH COMBS.

174	White,	cellu!oid	1		$3 \times 1^{3''}$	4/6
169	• •	non-infl	ammable		$3\frac{1}{4} \times 1\frac{3}{4}''$	6/0
	Horn	,,	15		$2\frac{3}{4} \times 1\frac{3}{4}''$	7/0
	Black		* *		$3\frac{3}{4} \times 1\frac{3}{4}''$	7/0
	Blonde	91	**		$3\frac{1}{2}\times2^{\prime\prime}$	7/6
176	White	**	11	•••	$3\frac{1}{2}\times2^{\prime\prime}$	7/6

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8/6

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× 1½" × 1½" × 1½" × 1¾" × 1¾"

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 $8 \times 1$ 

 $8\frac{1}{2} \times 1\frac{3}{4}$ 

 $\begin{array}{c} 6\frac{1}{2} \times \frac{7}{8}^{"} \\ 7 \times 1^{"} \\ 7 \times 1^{"} \end{array}$ 

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Write for Samples and Quotations for immediate delivery.

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BEST QUALITY.

BEST PRICES.

Samples and prices on request. Send your samples and let me quote.

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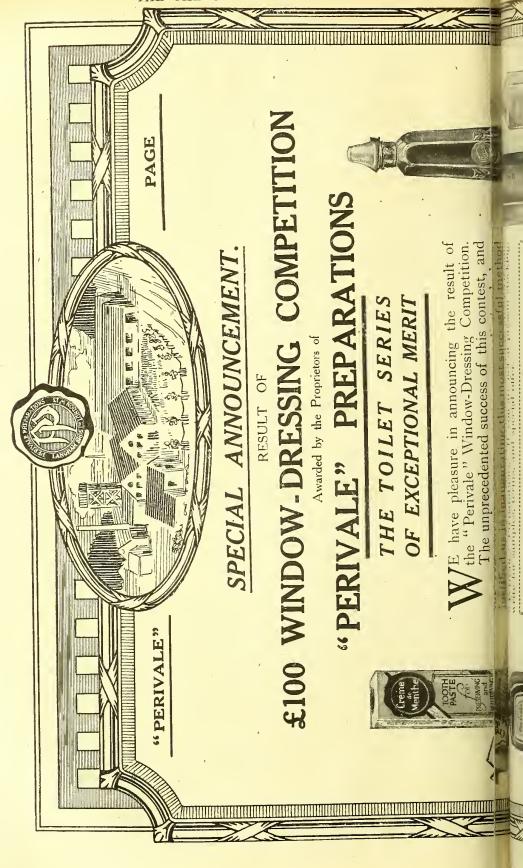
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profits.

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quantities
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meet with success. Good profits are assured to all who handle If you are not at present stocking, write for samples, terms, and special offer. " Perivale" Preparations.

# WINNERS £220

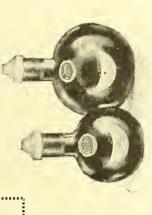
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Mr. M. J. Healey, 76 Uxbridge Road, Shepherd's Bush, W. 12. Mr. Marfitt, Infirmary Square, Leicester,

Messrs, Lewis's Drug Stores, 27 Glenthorne Road, Hammersmith. MESSES. BRUCE'S LTD., 28 The Broadway, Ealing.

PERIVALE" LIQUID BRILLIANTINE.

Hsplay a so won a prize at the International Advertising inbition at the White City. ំ ក្រុក ភូមិ ស្រួល N.B .- Messrs. Bennisons, Ltd



'PERIVALE" MOUTH WASH.

PERIVALE, WEST EALING, W.13. Laboratory and Works:



"PERIVALE" SOLID BRILLIANTINE"

"PERIVALE" VANISHING CREAM.

LANGHAM BROS., LTD.

MANUFACTURERS OF FINE CHEMICALS.

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"PERIVALE" HAIR CREAM.

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WITH A SPECIAL BEARING ON THE SUBJECT OF — E F F E C T I V E CIRCULATION

It is suggested that these queries might be addressed by advertisers to publishers of trade journals.

- 1. Can you show an accountant's certificate guaranteeing a definite circulation made up of paying subscribers?
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- 3. Are the business addresses of these subscribers open to inspection?
- 4. Are your subscribers actual buyers (for use or for re-sale) of the goods we have to offer?

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IS CONCERNED. Anyone, therefore, who has goods to offer to buyers of chemicals, drugs, druggists' sundries, perfumery, toilet articles, or allied products knows that in utilising its advertising pages waste publicity is eliminated.

8

Write for rates and further particulars to
THE PUBLISHER
.THE CHEMIST AND DRUGGIST
42 CANNON STREET, LONDON, E.C. 4

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Dye it Right

DON'T LET YOUR CUSTOMERS

STREAK, SPOT OR RUIN THEIR

MATERIAL IN A POOR DYE.

Diamond Dyes give universal satisfaction from the fact that they are manufactured in one class for correctly colouring Cotton, Linen or Mixed Goods, and another class for Wool or Silk. One kind of Dye will not give best results on different materials.

Each package of "Diamond Dyes" contains directions so simple that any woman can Diamond-dye a new, rich, fadeless colour into worn, shabby garments, draperies, coverings—everything, no matter what the material may be.

## It's easy to Diamond-dye;

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Blouses Silks

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Children's Coats

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Curtains Jackets Dresses

Hangings

Mixed Goods Stockings Cottons

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Coverings Everything!

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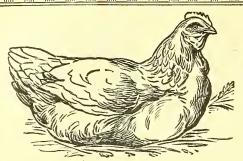
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## Egg Preserving.

## PREPARE FOR SEASON'S DEMAND!

E. pack only the finest quality Water Glass, and give best value and service.

shall be obliged if our regular customers will write early, so that we can arrange for special advertising, etc., and to any chemist we have not yet supplied we be pleased to send full particulars.

## HAYWARD, LIMITED, LINCOLN.

TOMLINSON'S DAIRY HELPS. LUDDINGTON'S OILS and VETERINARY PREPARATIONS. HAYWARD'S PAINT STICKS, for branding Sheep, &c.

DISINFECTANTS

OF ALL KINDS.

Disinfecting Fluid,
Co-efficient Disinfecting Fluids,
Carbolic Acid (CRYSTALS),
Cresylic Acid,
Naphthaline,
Lysol, and
Disinfecting Powders.

The "KILLGERM" Co. Ltd.
CLECKHEATON.

Telegrams:
"Disinfect Cleckheaton."
Codes: ABC and Bentley's

The Codes: ABC and Bentley's

## A POSITIVE PLEASURE TO HANDLE

Mr. A. S.GIBSON, Chemist, Brigg, writes:-.

"It has been a positive pleasure to handle yo proprietary 'Rodine' It is profitable and easy sell. I wish everything else was as good."

## "PROFITABLE & EASY TO SELL

It pays to push "Rodine" and be a "Rodine" Age Get it on best terms. Write the Maker -

HARLEY, Manufacturing Chemis PERTH, SCOTLAND.



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## ALTERATIONS IN TRADE LIST PRICES During JANUARY, 1921

The following list relates to the changes in prices which have occurred in respect to staple products or important alterations of prices of products in less frequent demand:—

NOTE.—The prices given below are current trade list prices to which 10% is to be added to arrive at the Minimum Selling Prices to the public.

'MENTHOF Tubes	A X '			 	•	Per: doz. 19/0
'TABLOID'	SAXI	N'gr	. 1/4			
Bottles	of roo	•••		 		16/0
. ,,	200			 		30/0
,,	500		,	 		70/0



## BURROUGHS WELLCOME & CO.

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## TRADE SAXIN MARK

The ideal sweetening agent

njoys a steady sale all the

as no taste other than pure veetness.

large lump or two small lumps of the finest cane sugar.

See prices above

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## 'MENTHOFAX'

Brand

COMPOUND METHYL SALICYLATE OINTMENT, B.P.C.

Analgesic and counter-irritant.

Prepared from ingredients of the highest standard of

quality obtainable.

Carries the B. W. & Co. guarantee of quality and reliability.

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# British Dyestuffs Corporation Limited

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Manufacturers of

## Pharmaceutical & Photographi Specialities.

Sales Office: 70 Spring Gardens, Manchester.

Works : Ellesmere Po Huddersfield, Manches

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## Ialine' Disinfectants

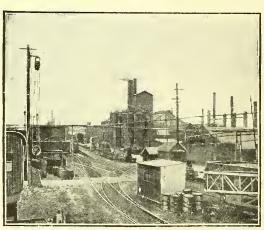
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10 - 80 % Tar Acids.

## High Co-efficient

up to 18-20 Rideal-Walker Method.

Approved by the Board of Agricul-ture for Sheep Scab.



#### Coal Tar and Ammonia Products

Benzols, Toluol, Solvent Naphtbas, Carbolic and Cresylic Acids, Creosote and Fuel Oils, Pitch, etc. etc. Timber for Dock and Harbour work. Deals, Battens, Boards, Floorings, etc. Railway Sleepers and Crossing Timbers, Telegraph Poles, etc. etc. Saw Millers and Timber Preservers.

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PINE OIL **FLUIDS** 

PINE OIL BLOCKS NAPHTHALENE

BALLS CANDLES

- TABLETS
- FLAKE BLOCKS
- POWDER

IQUID SANI-TARY SOAP

WOOD PRE-SERVATIVE

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#### A Weekly Journal of Pharmacy and of the Chemical and Drug I rades

T: CHEMIST AND DRUGGIST is in circulation and reputation reading journal addressing the Chemical and Drug trades in the Bish Empire and other countries in the Old and New Worlds. It is official organ of the Pharmaceutical Society of Ireland, the Chists and Druggists' So iety of Ireland, and of other Chemists' Sqities in the Overseas Dominions.

Tubscription Rates. TWENTY SHILLINGS a year the world, including a copy of The Chemist and Druggist Diary. ubscriptions may begin with the first issue of any month. Single opy 9d. post free; Diary. 10s. post free. Postal orders and cheques tould be crossed "Bank of Liverpool and Martin's Ltd." 1x de l abonnement annuel: le journal une fois par semaine, et l'agenda 1e fois par an. 20s., franco reciode suscripción annual: el periódico una vez por semana, y el agenda 1a vez por año 20ch., franco.

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for Advertising may be obtained on application to the Publisher II D OFFICE: 42 CANNO STRFET. LOND'N, E.C. 4. ams: "Chemicus, Cannon, Lo. don." Telephone: Ceotral 3617 (three lines), R \_H OFFICES: MELBOURNE AND SYDNEY. AUSTRALIA.

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## Wills.

A FRANK BURROWS, chemist and druggist, The que, Beeston, who died on December 24, left estate al 1 at 2341. 178. 11d.

OCKS M. EDWARD THOMAS STANWAY, retired chemist and ust, 79 Allen Road, Wolverhampton, who died on real let ber 8, left estate of the gross value of 3.278l. 16s. 6d., and the personalty 3,224l. 11s. 6d.

HARRY BRISTOWE CARE, chemist and druggist, on leuk, Barrhead, and 52 St. Enoch Square, Glasgow, inclied July 28, left personal estate in the United mom valued at 1,092/l. Probate of his will has been and to his widow, Mrs. Annie Elizabeth Freeman

M EDWARD DANIEL, chemist and druggist, 91 Upper all Road, Nottingham, who died December 28, left to of the gross value of 4,481*l*. 14s. 6*d*., with net exercisely 4,450*l*. 4s. Probate of his will has been and to his widow, Mrs. Dorothy Daniel, and Mr. dwd Paul Daniel.

## English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C.&D."

#### E.P.D. Abolished.

The Chancellor of the Exchequer announced, on February 3, that in the forthcoming Budget the excess profits duty would be abolished. All businesses except those begun since the commencement of the war will pay for a period of seven years beginning from the first accounting period in which they fall within the scope of In the case of businesses commenced since the outbreak of war the duty will not run beyond December 31, 1920. No tax will be imposed in lieu of E.P.D., and existing taxes will not be added to in order to make good the loss for the coming financial year. The excess profits the loss for the coming financial year. The excess profits duty was introduced in September 1915 at 50 per cent. Subsequently it was raised to 60 per cent. and later to 80 per cent. Mr. Chamberlain reduced it to 40 per cent., but in his last Budget, contrary to expectation, raised it to 60 per cent.

#### Chemical Society.

Chemical Society.

At the meeting of the Chemical Society held in Burlington House, London, W., on February 3, the President, Sir James Dobbie, F.R.S., informed the Fellows of the death of Dr. J. C. Cain, who has been editor of the Society's Journal since 1906. At the informal meeting which followed, Dr. Turner, of Sheffield University, delivered an address dealing with some features attending the manufacture of glassware, particularly for optical purposes. He referred to the important research work conducted in Great Britain and the great strides made in this branch of industry in this country. strides made in this branch of industry in this country, the products being able to compete successfully with the best-known foreign manufactures. By means of slides, he illustrated the crystals, particularly of wollastonite and silica, which separate out in glass on heating to certain temperatures, and mentioned the difficulties attending the production of glass in securing the correct "balancing" of the various components entering into its composition. A very fine collection of laboratory glass apparatus was exhibited, including various thermometers.

#### British Chemical Industry.

Mr. W. J. U. Woolcock, C.B.E., M.P., general manager of the Association of British Chemical Manufacturers, has issued a statement drawing attention to the present position of the British fine-chemical industry. "The next month or so," he says, "will decide whether, in the years to come, Great Britain is to make fine chemicals for all the world, or whether we and the other nations are once more to turn to Germany for our laboratory and photographic chemicals, for essential drugs like antipyrin, phenacetin, cocaine, salicylates, aspirin, salvarsan; and others. The case against buying these fine chemicals from the Germans is not founded on any foolish post-war prejudice against trading with a former enemy. It is a matter of international principle, only less grave than the surrender of the High Seas Fleet and the reduction of the German Army. To-day it should not be necessary to remind any British citizen that it was Germany's phalanx of expert chemists, with their experienced workmen, which gave her so tremendous an advantage in the early days of the struggle. That military asset was, of course, the direct consequence of the fact that Germany had been chemicalmaker to the world; nor for several reasons was it possible in those days to compete with the laboratories which in a night were to become munition factories. thing, Germany had built up what was practically a monopoly in the fine-chemical industry, because the raw materials for that industry are largely the by-products of the dyestuffs industry—by that time, of course, almost a German monopoly." German monopoly.

#### Dye Imports and Exports.

The Chemical and Dyestuff Traders' Association announce that negotiations are proceeding between the Association and the Board of Trade in reference to the

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refusal of certain British dyestuff manufacturers to supply British merchants with their products for export on the ground that they have their own selling and distributing arrangements abroad. In one case, it is stated, in which supplies of synthetic indigo were refused by a British concern for export to China, the order has been placed with a foreign firm, which has accepted it. The Board of Trade, in replying to the Association's representations, states that it is not responsible for the management of the dyestuffs concern in question, and is not acquainted with the details of their selling arrangements in foreign markets, but as the complaint alleges that, under certain of these arrangements, orders are being diverted abroad inquiry is being made of the company. The Board of Trade states that it is hoped to publish at as early a date as possible a list of the various products which are at present considered as coming within the scope of the Act. The consideration of applications for import licences, it is pointed out, will be greatly facilitated if it can be shown that the goods are definitely required by an actual consumer who is unable to meet his requirements from British sources of supply. Information furnished will be treated in confidence. On the question of the importation of dyestuffs for re-export purposes, it is stated that it is not possible to lay down any general rule, and each application will have to be considered on its merits, having regard to the particular circumstances obtaining.

#### Poisonings.

The following cases of fatal poisoning have been recorded since our last report:

At Tipton, Annie Steane (53), married, committed suicide by taking spirit of salt.

In West London, an infant named Butcher, 7 Fenelon Road, died from taking lysol accidentally administered by an older child.

An inquest was held at Brighton, on February 9, on the body of Eleanor Lady Wallscourt, who was found dead in bed in a flat on February 7. The evidence showed that she had been in financial difficulties. The coroner found that death was due to a narcotic poison, possibly veronal or chloral hydrate, and recorded an "Unsound mind" verdict.

## Birmingham.

The British Association of Chemists has appointed Dr. Geake, 337 Gillott Road, as local secretary.

By the generosity of a local firm of opticians 520 persons have been fitted and supplied with spectacles free of charge.

Among the recent subscribers to the Lord Mayor's unemployment fund are Alfred Bird & Sons, Ltd. (2001), and B. C. Tipper & Son (31. 38.).

Councillor Jeffrey Poole proposed the vote of thanks at a recent meeting at which the Chancellor of the Exchequer was the principal speaker.

There has been such a large number of valuation appeals that a special department has been established for these at the Rates Office, Edmund Street.

The city analyst refers, in his quarterly report, to "extra strong" seidlitz powders. The variety of the formulas for these constitutes a potential source of trouble.

The death is announced of Dr. R. J. Drury, who, in 1875, came to the Birmingham Dispensary, Union Street. He was for twenty years physician to the Children's Hospital.

The title of emeritus professor of Birmingham University has been conferred upon Dr. A. B. Hill, a former professor, who is public analyst and medical officer of health for Warwickshire.

Mr. Wilfrid Hill, who has been elected President of the local branch of the National Commercial Temperance League for 1921, has been lecturing recently on "Whitley Councils and their Work."

Alderman F. C. Clayton, Ph.C., is resigning the pro-vice-chancellorship of Birmingham University, which office he has held since 1900. A glowing tribute is paid him by the "Mail."

The Birmingham Pharmaceutical Association, on Felary 7, held a Council-meeting in the Chamber of Comerce. A vote of condolence was passed to the secret (Mr. Frederick Smith, Ph.C.) and his wife on the loss their daughter.

The story about a panel patient in this column of C. & D., of February 5 (p. 48), reminds one that Insurbenefits are being subjected to adverse and even cyrcriticism in the local Press. Some of the stories of meropractitioners and their methods make amusing reading, are too lengthy for quotation here.

#### Leicester.

Councillor E. A. A. Fry, chemist and druggist, complimented at a recent meeting of the guardianum his successful effort in connection with the Treat of Entertainment Fund of the Countesthorpe Child's Home, for which he had raised a sum of over 40l.

Miss Margaret E. Buchanan, Ph.C., a member of a Council of the Pharmaceutical Society, gave an add on the work of the Society's Benevolent Fund before meeting held on February 7 of ladies (including resentatives from the Assistants' Association) connewith local pharmacy. Mr. W. J. Lewis, President of Leicester Association, occupied the chair. Miss Buch appealed to the ladies to do their utanost to increase funds of this deserving cause, and mentioned some of the methods adopted in other districts. The ladies rested themselves into a committee, appointing Mrs. Goode a chairman, Mrs. Blockley secretary, and Mrs. Wilbyn Mrs. Barker as joint treasurers. It is rather stretchat the local associations seem to have been ome from the scheme for securing more subscriptions for Benevolent Fund. It is evident, however, that the lie of Leicester mean to give the claims of the Fund en immediate attention.

#### Liverpool.

The Southport pharmacists have formed an orchowhich will visit Liverpool.

Owing to very dull and cold weather, with threatening, winter remedies have reappeared in windows.

That systematic window-dressing is not yet a general appears from the fact that goods labelled to Christmas presents "remained on view on Sw Tuesday!

The "National Minimum Retail Price List" is to be priced too low for practical working, and "London Chemists' Retail Price List" obtains prefer in district pharmacies.

A Bootle milk-dealer was fined, on February 8, 11/1s for adding annatto to milk. The defendant said is some of his customers declared his uncoloured is though pure, to be "whitewash."

Mr. Maley (of Douglas, I. of M.), who passed the Liverpool on February 9 en route for Halifax, gave in teresting account of the recent putting into operation of the National Insurance Act. The impharmacists had benefited much by the experience of confrères in England.

Evans Sons Lescher & Webb, Ltd., have entered week, into possession of the large half-block of and warehouses (58 Hanover Street), which have attached to their head office. The extra accommod will afford relief to the administrative staff pending carrying out of the rebuilding scheme.

Mr. Harold Barton, Mrs. Rawsthorne (his mother Mr and Mrs. West, Mr. and Mrs. Chas. Hare, and Mrs. Naylor, all of Southport, who were joined cin part of the evening by Mr. W. J. Williams, i "post-conference" dinner at the Exchange Station is Liverpool, on February 8, followed by a drive to a tippantomime. Southport treasures happy memories (the conference, and this "rounding-off" festivity had long in contemplation.

#### Manchester.

T executors of the late Dr. Lloyd Roberts (the well-m). Manchester specialist), among whom is Mr. 1 H. Blackburn, Ph.C. (Mottershead & Co., Exchange 1), have each received 1,000% under his will.

J. Cleworth, President of the Manchester Pharmaat. I Association, has received an intimation from Iallinson that he was the first chemist in Manto join the Retail Pharmacists' Union, a score of

e ues being close upon his heels.

thester University students held their customary Tuesday revels on February 8, over 700 visiting eatre Royal pantomime in varied costumes. Several hire pharmacists' sons and assistants were noticed

velry" attire in the procession.

the City Show Rooms, New Brown Street, Edward R. Co., Ltd., London, have an exhibition of a good g of soaps and their other specialities, which are fiered at low prices. Mr. A. Ralph is in charge. hibition is open from February 7 to February 19

w, Son & Sons. Ltd., London, are holding a special chemists' sundries at the Grosvenor Hotel, Deanstr the fortnight commencing February 7. Chemists of visiting this show need not make any special ment, as Mr. F. Naylor or one of his confrères in constant attendance daily from 9 a.m. until

## Newcastle-on-Tyne.

cal Co-operative Society has opened a drug departnder qualified management, at 328 Westgate Road.

Margaret Dunlop, chemist and druggist, Chillingad, Heaton, has moved to new and up-to-date in the same thoroughfare.

res on the principal economic products of plants ng given at Armstrong College. Mr. A. W. B.Sc., who is a recent addition to the staff of the ldepartment, has had considerable experience in

an dis Guiana.

#### Sheffield.

o the cutting of the prices of protected articles of the drapery establishments during the recent

sts who purchase packed goods which come he scope of the Food and Drugs Acts should, ae to time, examine them both for quality and

Discomparative statement of sales of the Brightside on Co-operative Society's drug department increase of 38.91 per cent. on that of the precounting period.

I. Gilbert Jackson's whist-drive in aid of the entical Society's Benevolent Fund was a great All ladies desirous of contributing to Miss u's stall at the Chemists' Exhibition should comwith Mrs. Jackson.

#### Miscellaneous.

w-smash.—A plate-glass window in the Queen's 'atford, branch of Boots, Ltd., was "recently by a cow backing into it.

BRISTOL UNIVERSITY.—Mr. George Wills and y Wills (Imperial Tobacco Co., Ltd.) have confurther 200,000l. for the purpose of completing angs of the University of Bristol.

AL-WORKS EXPLOSION.—An explosion occurred orks of Bowdler & Bickerdike, carbolic-acid teres, Oswaldtwistle, on February 4. Five men elly burnt, and Mr. Sandiford, the manager, has

THERMOMETERS.—The Board of Trade have arming that imported thermometers which have officially tested under the provisions of the all hermometers Order, 1918, may not be sold in

VENDOR SENTENCED.—At Marylebone Police adon, on February 4, Frank Simmonds, alias

Frank Russell, was sentenced to six months' imprisonment for being in unauthorised possession of cocaine. It was stated that twenty-two "packets" of cocaine were seized, one of them containing nearly ½ oz.

ITINEBANT VENDOR SUMMONED.—At Pontypridd, recently, an itinerant vendor was summoned for a breach of a local by-law by shouting. Some importance is attributed to the case on account of frequent complaints made by pharmacists and other traders of the activities of vendors of quack medicines in the market square of the town. The magistrate reserved judgment.

Saccharin-smuggling Case.—At Mansion House Police Court, London, on February 3, the hearing of a summons against A. Oberman, a Pole, and P. Zommerplaag, a Dutchman, for smuggling in "Teddy bears' saccharin weighing 62 lb. was concluded. The case had been before the Court twice previously (C. & D., January 29, p. 50). The Lord Mayor fined each defendant 700l., or three months' imprisonment, and allowed twenty-eight days in which to pay.

ROTARY CLUB OF LONDON.—Sir Harry Lauder was entertained by the London Rotary Club on February 9, when he gave a speech to a large assembly at the Hotel Cecil. He emphasised the friendly feeling that exists between the United States and this country. Among those present were the American Ambassador, Lord Leverhulme, Sir E. Marshall Hall, and Sir Thomas Lipton. The drng and allied trades were represented by Mr. F. R. L. Newbery (F. Newbery & Sons, Ltd.), Mr. E. W. Gough (Lewis & Burrows, Ltd.), Mr. T. Horrod (Fassett & Johnson, Ltd.). Sir Harry Lauder's speech bristled with epigrams and witty sayings, well calculated to increase the entente between this country and the United States.

In the Courts.—At Lincoln, on February 1, Norman A. Taylor was fined 2l. for stealing three cameras, valued at 13l. 5s., the property of his employer, Mr. E. R. Dixon, chemist and druggist, 312 High Street.—At Huddersfield, on February 3, Ernest Birch (16) was fined 1l., with 1l. 5s. costs, for breaking into the shop of Needhams, Ltd., 1018 Manchester Road, Linthwaite, and stealing the sum of 6l. 10s.—At Wolverhampton Police Court, on February 4, Ernest F. Shortt, a clerk, was sentenced to three months' hard labour for embezzling sums amounting to 51l. 3s., the moneys of his employers, the National Benzole Co., Ltd.—At Blackburn, on February 8, three youths named Grady, Starkie, and Melia, were committed for trial on a charge of breaking and entering into the premises of Cupal, Ltd., manufacturing chemists, Phoenix Mill, and stealing drugs and other goods, value 9l. 3s.

Further Light on a Poisoning Trial.—Echoes of the conspiracy charge in which Alfred George Mason, chemist and druggist, and others were implicated in an attempt to poison the Premier (C. & D., 1917, p. 268), were heard in the King's Bench Division, on February 7, in the case of Booth v. The Victoria House Printing Co. and Another. It was stated in evidence by the plaintiff, Mr. H. J. W. Booth, Headley, Surrey, who was connected with the Government secret service during the war, that he was responsible for the discovery of the plot. One passage from his examination-in-chief is as follows: Had she [Mrs. Wheeldon] spoken to you of poison?—Yes. I said "How do you propose to do it?" I did not know anything about curare, the poison she mentioned. Then she told me a situation could be obtained at a restanrant or hotel where Mr. Lloyd George or Mr. Arthur Henderson was staying, and that if the end of an exposed nail in the heel or any part of the boot were tipped with curare he would be dead within twenty minutes. Another thing was to file the chain of the overcoat so that it left a rough edge, which would scratch his neck and kill him. Another idea she had was that if I went to Walton Heath and watched for Mr. Lloyd George playing golf I could conceal myself and could shoot at him with a dart gun, with the end of the dart dipped in curare. There was also talk, it appeared, of using pathogenic germs. The plaintiff won his action—which was an action against "The Daily Herald" for libel—with 5001. damages.

CC

## Irish News.

#### Brevities.

Mr. R. Hastings, J.P., R.D. (Hastings, Ltd., High Street, Killyleagh), has been appointed to represent Newcastle, co. Down, on the County Committee of Technical Instruction.

Mr. Huston Lancashire, J.P., Ph.C., Ballymena, chairman of the Urban Council for the past five years, has resigned that position, and has been thanked for his services to the town.

Tenders for supplies of medicines are invited by the Rathmines Hospital Board for twelve months, addressed to Clinical Joint Hospital Board, Town Hall, Rathmines, up to 10 A.M. on March 5.

Owing to their attitude towards the Local Government Board many Irish Poor-Law Boards are now without funds, Government grants having been cut off. At the Sligo Board of Guardians' recent meeting a letter was received from Boileau & Boyd, Ltd., medicine contractors, Dublin, for settlement of their account. It appeared the Board owes them over 50l., and the company refused to execute a further order pending a definite reply. The only action taken by the majority of the Board was to pass a resolution refusing to allow the Local Government Board auditor to audit the books on February 18.

#### Belfast.

Mr. John Hall, Ph.C., has been appointed to represent the chemists of Larne on the newly-formed Chamber of Trade and Commerce.

The Belfast Board of Guardians have appointed Mr. R. Mulligan, Ph.C., Larne, as compounder in Belfast dispensary districts Nos. 11, 12, and 16.

## Scottish News.

#### Brevities

Mr. R. R. Johnstone, chemist and druggist, Dornoch, has recently interested a local audience by a lecture on "Blunderland,"

Suffering from the effects of drinking a quantity of lysol, a woman named Howieson, of Camelon, found in an unconscious condition on a local doorstep, has been removed to Falkirk Infirmary.

## Edinburgh.

Thermos flasks at 2s, 11d, each are advertised by a local dealer.

University students are now in occupation of the new chemical laboratories, the interior walls of which are left in their bare brick state. A photograph, showing a corner of "King's Buildings," appeared in the "Edinburgh Evening News" of February 3.

At the monthly meeting of the Edinburgh and Leith branch of the United Kingdom Commercial Travellers' Association, held in the Goold Hall on February 5, Mr. Alex. McHardy presiding, the treasurer reported on the satisfactory position of the branch under the new uniform subscription scheme. A short address on the work of the Royal Pinner schools and the progress of the benefit society was given by Mr. T. McIlwrick.

The advertising in connection with the Dangerous Drugs Act has been very telling, to judge from the number of inquiries—some by telephone—received by local chemists. In certain cases customers appear to have remembered about old prescriptions they possess; and one gentleman, who wished \( \frac{3}{1} \text{iv.} \) of liquor arsenicalis (his prescription being for a modest \( \frac{3}{2} \text{ss.} \), was dissuaded from having any at all at the moment only by the assurance that he could obtain it as formerly.

#### Fife

Mr. G. Inglis, chemist and druggist; Leven, has been appointed vice-captain of the local golf club.

Mr. T. H. Forrester, chemist and druggist, Cupa opened a business at Commercial Road, Ladybank

Mr. Andrew Hogg, chemist and druggist, Leve been appointed liquidator under the voluntary lition of the Leven and Methil Gas Co.

#### Glasgow

Mr. D. Hogg, chemist and druggist, has taken of business of the late Mr. J. E. Black, chemist and dra Pollokshaws Road.

The local medical authorities have been informe no more free lymph for the treatment of smallpox p, would be issued to them by the Scottish Board of I. Arrangements, however, are being made whereby s of lymph will be kept in Edinburgh, and issued to rofficers of health on requisition.

A verdict of "suicide while of unsound mind returned at an inquest, on February 7, on the ba sallor named Caskey, a native of Greenock, w found in an unconscious condition with an empthottle near him. He subsequently died in he Medical evidence was to the effect that he died freffect of a corrosive poison.

### Dangerous Drugs Regulations.

Opposition to the Regulations was expressed by farmers at a meeting of the Perthshire Agri Society at Perth on February 4. It was poin that if the Regulations come into force farmers be prevented from keeping in their houses such a sary medicine as colic drench. It was décided to the Regulations, and to communicate the resoluthe local members of Parliament, to the Secret Scotland, and to the Board of Agriculture.

At a meeting of Border chemists, held at N St. Boswells, on February 6, to consider the Da Drugs Regulations, Mr. W. E. Wilson, chemi druggist, Hawick, stated that he had on the 1 day interviewed the Secretary for Scotland (Mr. and put before him various points referring to the 1 of the new Regulations. Mr. Munro, in reply, sta he had received a large number of letters on the 1 t was, however, outside his department, but he bring the representations before the Home Secret

#### Chemists' Friendly Society.

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of this bir

The annual meeting of the Chemists' Friendly was held at Glasgow recently. Mr. Thomas occupied the chair in the absence of Mr. James the President, owing to illness. Mr. Alexander and Mr. Doig had intimated their retiral from the and Messrs. John Dick and Muir were appointed places. The other retiring directors and the were reappointed. The report and financial swere adopted (C. & D., II., 1920, p. 1752). A of directors held thereafter decided that a sum should be invested. The Society has now about to its credit, and it is for the consideration of thow the revenue from this sum is to employed.

The Study of Vitamines.—Lecturing recently Royal Institution, London, on "Vitamines," Distriction and that, in its vitamine content, unreliver is 250 times as potent as butter. Swedes rich in the anti-scorbutic vitamine ("C"), and is very poor. A raw cabbage is extraordinarily potency in this respect may be indicated by 100, but when the cabbage is boiled it may dor, less. Immediately people are put on a fixed of diet, as in some public institutions, trouble in Milk contains all the three vitamines. If dried m for feeding children an anti-scorbutic solution added. Summer milk has anti-scorbutic likely with the pool of the

## Legal Reports.

for Damages.—In the King's Bench Division, in before Mr. Justice Gibson, on February 4, in the new which Mr. William Patrick Kennedy, Ph.C., prietor and general merchant, Borris, co. Carlow, and ff and Dr. Edward Dundon, Borris, and nine is sident in Borris or its vicinity are defendants, Hor Hughes (instructed by Mr. M. J. O'Dempsey), at f of the plaintiff, applied for an order setting the ground of irregularity, an appearance entered to ber 27, 1920, on behalf of the defendants. The claim is for damages alleged to have been sustain him hy reason of the defendants illegally and coly conspiring to injure him in his trade or No notice of appearance, counsel said, had been defendants in respect of whom the had been entered. An appearance on behalf if the defendants, Mr. Edward P. Hogan, had rularly entered on January 5, and the notice by the rules had also been duly served in that Justice Gibson made an order setting aside the elected on December 21, and gave liberty to roccurry judgment against all the defendants exception of Mr. Hogan.

Bottle Dispute.— In the Mayor's and City of purt, on February 2, 3, and 4, an action was heard Latour & Laurent, Belgian mercantile agents, claimed 72l. 10s. 6d. against Owens & Co. and & Co., Ltd., glass merchants, Temple Chambers, evenue, E.C., commission and expenses from 1919 to July 1920, while acting as their agents s. Defendants counterclaimed for 156l., moneys in Plaintiffs' case was that in 1919 there was a of the Belgian traffic in chemists' glass bottles, was great difficulty in getting deliveries from

acturers. Merchants having representatives on eccived better attention from the manufarnthose who did their business by correlit was arranged that plaintiffs were to the defendants in Brussels, and they were to mission of 1 per cent. on old orders already 12 per cent. on new orders. They were also 200 fr. per month for travelling expenses, per month for rent of office, etc. Business cted with Messrs. Boots, Genatosan, and Eno's ruit-salt hottles. For those special deliveries red. Defendants said that plaintiffs were per cent. commission in some instances where be 1 per cent., and defendants had felt that grievance at information not being given them came into Court and about the money which then the for the payment for moulds. That part iterclaim was withdrawn during the trial. In degment was given for the plaintiffs on the 91.8s. 4d., and also on the counterclaim, with

t, London, on Fehruary 4, Mr. Francis Henry, holesale druggist and agent, 64 Holborn. C. 1, was summoned, under the Defence of Act, to answer a charge of unlawfully having ssion a quantity of an admixture containing it. or more of cocaine, he not being an berson or a person licensed to import or manutine. Mr. H. D. Roome, who appeared for unt, pleaded "Guilty." Detective-Sergeant hat, acting on a communication received from police, he called at defendant's premises, we a number of boxes—twenty-three—containature of cocaine, the strength being 3 per mess stated that, on heing questioned, Mr. Died that he did not know a licence was yor a preparation of that kind. By Mr. fendant willingly answered all questions. A fa the Society of Apothecaries said that the ctained the usual percentage of cocaine found tion of this kind. Mr. Roome explained that

defendant had carried on this husiness for over twenty years, and was well known in the trade. He thought it rather hard that for such a trivial matter the aid of their old friend D.O.R.A. should have been invoked. Defendant imported this preparation, with a large quantity of other drugs, from a firm of French chemists. It was a preparation entirely for external use—to render the eye insensitive to pain during an operation, and for this purpose there must he a fairly high percentage of cocaine. The Regulation under which this summons was issued was passed in consequence of a notorious scandal. Mr. Mertens had applied for a licence, which, of course, he did not expect by return of post, but which would, no doubt, arrive some time. Detective-Sergeant Greer said he was authorised to state that there had been other importations of this stuff by defendant. The Alderman considered that a technical offence had heen committed, and inflicted a fine of 20s., with 2l. 2s. costs. Defendant consented to have the hoxes containing the preparation forwarded to an eye hospital.

Rice Powder Dispute.—In the Mayor's and City of London Court, on February 7, before his Honour Judge Jackson, the hearing was resumed in which Mr. Alfred Prescott, trading as Prescott & Co., chemical manufac-turers, Rutland Mills, Oswald Street, Hulme, Manchester, sued the Wilmac Produce and Manufacturing Co., Ltd., 170 Upper Thames Street, London, E.C., for 90%, halance of 135% for Japanese rice powder supplied (C. & D., January 22, p. 51). After further evidence had heen given, Judge Jackson said that it was a very interesting hut difficult case to decide. The contract will be feet to the difficult case to decide. The contract and the facts of the case were more or less contained in the correspondence. On June 11 came the offer and the quotation of 30l. a ton. It was important to consider the price at which the article was quoted. On June 12 there was a letter thanking the plaintiff for the offer, the material being referred to as fice powder. On June 22 there was a reference to rice flour, and the letter went on to say, "Book rice powder." After dealing with the correspondence, the Judge said what he had to consider was, first, whether there was a sale by sample, and he thought there was a sale hy desale by sample, and he thought the scription and sample. Mr. Prescott, when in the box, said there was only one sample, but he (the Judge) thought he was wrong and that there were two samples. When confronted with the tin and the small box he had to admit it. A suggestion had been made that the contents of the box had been altered. His counsel, however, rightly repudiated that, and he (the Judge) was sorry that the question had arisen. He came to the conclusion that the contents of the tin did not come up to sample—that the hulk did not come up to sample. Then he had to consider what was in the tins. That was a serious matter in the case that presented itself to him. He had to look at the price at which the contract was entered into—30l. a ton. It was admitted that rice starch was sold at the price of 50*l*. per ton. He did not think for one moment Mr. Prescott intended to sell to the defendant rice starch at 50*l*. or 55*l*. a ton on a contract to sell an article at 30l. a ton. Going hack to the question of what the box contained, he held it contained potato starch. Potato starch was worth something much the same as rice flour. Somewhat reluctantly he came to the conclusion that the parties never were ad idem. There was no contract hetween the parties, and he was bound to find for the plaintiff. He thought the defendants did not get what they were intending to buy. If he had to say what he considered, whether rice flour, rice powder, and rice starch were more or less synonymous terms, he did not think they were. He came to the conclusion that the parties were never ad idem, and there would be judgment for the plaintiff for 90l., with costs.

Agency Claim.—In the Chancery Division, on Fehruary 9, Mr. Justice Astbury heard an application hy E. T. Pearson & Co., Watling Street, London, for an order that the liquidator of Sheppard's Chemical Works, Ltd., should admit the claim of the applicants to prove as creditors of the respondent company for the sum of 2,917. Mr. Rohertson, for the applicants, said the respondent company was formed to manufacture salicylic acid, and they appointed Pearson & Co. as their sole agents for the sale of their goods. His lordship had

to decide whether or not, in view of the fact that the applicants had been appointed agents for a term of years, the liquidation of the company in the middle of the term was a breach of the contract. Counsel stated that the agency contract was for a period of seven years from June 1916, and the liquidation took place in April 1919. During the period they were selling the company's goods applicants earned over 1,400l. commission, and the evidence showed that there was a progressive sale. Mr. Luxmoore, K.C., for the respondents, said the company in question ceased to carry on business in June 1918, and a new company was incorporated. From that time they had not manufactured salicylic acid, the new company finding it impossible to manufacture the chemical at a profit. He submitted that applicants could not contend that the respondents were bound to carry on the business at a loss for the whole term of the contract. The price of this acid before the war was about 1s. 2d. per lb., and at the time the company was incorporated the price was from 22s. to 23s. per lb. They hoped to make a profit, but the first price they obtained was 13s., which as the best they secured. Thereafter the price dropped, until just before the company cased corporation it was until just before the company ceased operations it was only 2s, per lb. His Lordship asked what was the main use of the acid, apart from making aspirin. Mr. Luxmoore said the acid was used in the manufacture of various chemicals and as a preservative. His Lordship said it seemed to him that when there was a seven years' said it seemed to him that when there was a seven years' agency it was no answer to a breach of contract to say that they could not produce the chemical at a profit. Mr. Luxmoore said there were two points to be considered—first, whether on the construction of the contract the company were bound to produce, and, if so, whether applicants were entitled to damages. His Lord-phin said it was a likely that the telescope of the said it was a likely that the telescope of the said it was a likely that the telescope of the said it was a likely that ship said it was plain that the applicants could not get more than the 1,000%, which under the contract was to be paid if the agency did not run the full term. Mr. Robertson agreed that applicants could not claim more than 1,000l. Mr. Luxmoore said applicants had to prove that there was a liability on the company to produce. Mr. Robertson cited previous cases to prove that there was the liability on the company to pay the commission or compensation for the full period of the agency. His Lordship said the case was an extremely important one, as it raised the question as to how these commercial term contracts should be read. Why was not the 1,000/. payable by the company when they put an end to the agreement by going into liquidation? Mr. Luxmoore argued that the class of the agreement of the class of th that the clause as to the payment of the 1,000%. was not the measure of damages, but it was only the right of the company to buy out the agency if they so wished. His Lordship: You mean this 1,000% is limited to a certain sort of termination of the contract on three months' notice by the company? Mr. Luxmoore: Yes. His Lordship: How can you terminate an agreement and give them nothing? Mr. Luxmoore: There is no obligation on the company to produce, and they cannot get any damages. They were appointed sole agents to sell what we produce, and we are not bound to do anything more. It is not an express term of any clause that we are bound to produce. His Lordship intimated that he had formed a different view on the question to that which he had cormed a different view on the question to that which he had expressed earlier in the case. After further discussion, the parties arrived at a settlement. Mr. Schiller, K.C., who appeared with Mr. Robertson for the applicants, stated the terms agreed upon were: There was a sum of 2731. in applicants' hands for goods sold; applicants were to keep 150l. in full settlement of their claim and costs. Applicants would hand over to respondents 123l. on the terms that they were entitled to look to that sum to indemnify the applicants against any claim that might be brought against them in respect of bad quality of goods sold on the company's behalf under the agency agreement. There was a claim pending now, and that was with this company's behalf under the agency agreement. was why this term was put in. His Lordship (to Mr. Schiller): I think your clients are very much indebted to Mr. Robertson for his conduct of the case during your absence. His Lordship added that the order embodying the terms would contain a statement that the compromise was a proper one for the liquidator to enter into.

## Wine-licence Application The

THE following applications have been made at B Sessions:

At Chorley, on February 8, Mr. F. Oakley, chen druggist, Brinscall, was granted a licence to selme cated wines.

At Wigan, on February 3, a wine off-licence apparent by Mr. W. E. Fairless, chemist and druggist, Asal Makerfield, was granted.

At Pontardawe, on February 4, Mr. Henry R. chemist and druggist, of Davies Bros., Clydac granted a wine off-licence.

At Norwich, on February 1, the wine off-licence cation of Mr. H. E. de Carle, chemist and drug Augustine's, was granted, subject to an underting restrict the sales to medicated wines.

At Coventry, on February 9, the justices granted and

At Coventry, on February 9, the justices granted at to the following chemists for the sale of wine to sumed off the premises: \*\*\subseteq \times 0. T. Hall, Mr. A. Mr. A. L. Smith, and Mr. H. Wetton.

At Nelson, on February 7, the wine off-licence of the following the following fatter considerable discussion, granted on his written undertaking to supply only medicated win At Rochdale, on February 2, the wine off-licency cation of Mr. S. Relph, chemist and druggist, Smallbridge brauch of Waller & Riley, Ltd., was granted, subject to the trade being constant.

was granted, subject to the trade being cond medicated wines.

At Swadlincote, on February 4, a wine off-lice ject to the undertaking being given that the say be restricted to medicated wines, was granted to & Co., Ltd., for their premises at Church Gresle

they trade as Bell & Co., chemists.
Mr. A. J. Espley, chemist and druggist, Aca who had given notice of an application for a wink for medicated wines, at the local sessions on Few https://withdrew.his application. Mr. Espley stated

withdrawal was made for personal reasons.

At Bamber Bridge, on February 4, Mr. F. chemist and druggist, Station Road, Bamber Bri Mr. J. Clayton, chemist and druggist, Lostock H granted wine off-licences. Both applicants under sign an agreement that the sale would be confine

Wine off-licence applications made by the pharmacists have been refused: Mr. A. Hartle pool; Mr. C. F. Kitching, Ironbridge; Mr. C. A. son, Shipley; Mr. H. Wiles, Mundesley-on-Sea; G. A. Young, Elsecar. In the case of Mr. W application was supported by a medical man, minister (who was a total abstainer), a builded tax-collector. The two witnesses on the other softem local hotels.

## Business Changes.

MR. WILLIAM OWEN, chemist and druggist, is a business at 34 High Street, Merthyr Tydfil.

MR. J. J. G. HAY, chemist and druggist, has the business formerly carried on by Mr. Marcha chemist and druggist, 223 Lower Road, Ro London, S.E. 16.

OWING to the death of Mr. D. Rainy Brown, ness of J. F. Macfarlan & Co., Edinburgh, an Lane, London, E.C. 2, is being carried on by There will be no change in the management and

MR. ERNEST DRAYTON, chemist and druggist, Ealing, London, W. 5, has taken Mr. Thomschemist and druggist, into partnership as from the 25, 1920. The business will be carried on style of Drayton & Swain.

An assistant science master at Nelson Seconda lost an eye on February 4 through a laboratory

## The Profiteering Act.

#### Prosecutions.

Tower Bridge Police Court, London, on Fehruary 4, Jes Edward Finch, wholesale confectioner and jam minacturer, Canterhury, was fined 251., with 261. 5s. c.s., for profiteering in soda crystals (C. & D., Februare, p. 51). The magistrate, in announcing his decision, marked that the defendant's explanation to the local Pfiteering Committee was dishouestly given.

Mansion House Police Court, on February 7, the hearof a summons against Mr. Alexander Henry Pickeriug mespect of a transaction in soda crystals (C. & D., Foury 5, p. 51) was concluded. Major Howard (whose vence-in-chief was given at the previous hearing), cross-nined by Mr. G. W. H. Jones for the defence, agreed in all prosecutions in connection with soda crystals r this Act the profit had heen over 15 per cent.—
s was the low-water mark of profiteering. Mr. Jones
cases from the "Board of Trade Journal" and
her journal as showing that 15 per cent. profit had
heen regarded as profiteering. Further questioned.
Tess said that he had a clear remembrance of his interwith the defendant. Mr. Lones : Did he say his with the defendant. Mr. Jones: Did he say his reience in dealing with Government officials had heen runate?—Yes. Did he say that a gentleman from a rument department, who had made inquiries into the ne husiuess, was now in husiness in opposition to the r he had visited?—Yes. And he gave that as his re n for declining to give information?—Yes. In reination, witness said that Messrs. Brunner, Mond's for the home markets at dates covering this case was ls. a ton. Witness did not know whether there was truth in the quinine story. A representative from the s. Densmore & Co., giving evidence for the defence, at hat he considered 15 per cent. well within the market m'. He thought that in this transaction Mr. Pickering as a merchant, and charged an "all in" price. It he acted as a broker he would charge brokerage or mussion—something like 1 per cent. Mr. Pickering's rawas nearly a century old, and was one of high repute. re-examined: Mr. Pickering was a broker in the chemide. He did not think there was any difference ten the risks run by his firm and those run by Mr. cring's. Mr. Stanley George Stuhbs, investigation under the Act, examined hy Mr. Roome, said that dealt with 200 complaints as to soda crystals, and a light of his apparance his cripton was that the Hight of his experience his opinion was that the eye profit of a broker in this trade was something a thunder 10 per cent. By "broker" he understood a who did not handle the goods, hut sold them on Cross-examined by Mr. Jones as to the difference en a broker and a merchant, witness agreed that as all defendant would have had to do in this matter fix up a contract hetween Messrs. Barr (Glasgow) Iessrs. Densmore. Mr. Pickering, giving evidence, at his firm was established in 1830 as quicksilver s and chemical merchants. He did not deal in soda s until the war, and had had only a few transactions
that it is a few transactions article. He had warehouses of his own and rented en n various parts of the country. He, in this case, as a merchant. By Mr. Roome: This transaction one hy his clerk. He had no actual proof of the incident. Mr. Roome: J. C. Barr, chemical to this, only made 10 per cent., Densmore makes 6 per t and you in the middle make 21. a ton profit, and sult the public in one place have to pay 2½d, per lb.? s responsible for the forty-eighth part of a penny amount, and but for my services the crystals would be been obtained at all. Did you not simply put ore into communication with Barr, and take 2l. a no useful purpose?—No. I hought of Barr and Densmore. Cross-examined on the quinine incint efendant said he did not know the name of the who visited him and others. But under the Defence th Realm Regulations they had been forced to disclose oir uyers and sellers in the quinine trade, which had ie. Their goodwill had been sold for nothing, and

a corporation set up in opposition on the knowledge thus gained. Mr. John James Barlow, joint-secretary of the Chemical and Dyestuff Traders' Association, said that he considered 15 per cent. not an unreasonable profit. Mr. Roome: A merchant or broker is justified in making as much as he can out of a commodity like this, for which the demand is inexhaustible?—I say that Mr. Pickering was selling at a price below the highest price quoted in trade journals. The Lord Mayor said that the Act put a responsibility on the defendant. He seemed to think he could make what profit he liked. Considering the small risk he had taken in this transaction, he (the Lord Mayor) considered his profit unreasonable. He imposed a fine of 25%, with 15% costs.

#### Report on the Soap Industry.

The suh-committee appointed in 1919 by the Standing Committee on Trusts "to inquire into the soap-manufacturing industry in this country and the effect thereon of trade combinations of soapmakers," has issued its report [Cmd. 1126, 3d.]. Omitting the introductory paragraphs ("1"), we give the chief passages of interest to the drugtrade, retaining the numbering and most of the headings of the report:

#### FOUR COMBINATIONS.

(2) Under our terms of reference we are required to direct our attention particularly to the existence and effects of combinations in the soap-manufacturing industry. We now proceed, therefore, to set out the particulars we have ascertained in regard to three associations and one group of companies, connected by direct financial ties, which we shall describe as the "Lever Comhine." Two of the associations, as we shall show, while having played their part in the organisation of the soap industry, have no determining influence on costs, supplies, prices and profits. The third association, which does fulfil an important rôle in these matters, is very strongly influenced by the Lever Comhine, and we have therefore, whilst describing the three associations, devoted our chief attention to the combine.

hine.

As a preliminary we give certain figures as to the output and consumption of soap in the United Kingdom. . . In 1917 (the latest year for which we have been able to obtain reliable data) the total output of soap in the British Isles was close on 500,000 tons—manufactured by some 220 soapmaking firms. Imports in recent years, excluding two years during the war when they were stopped, have averaged about 17,000 tons per annum, the greater part being household soap imported from America. Exports during recent years have averaged about 100,000 tons per annum (mostly household soap), although at one period during the war that figure was exceeded by more than 25 per cent. It may thus he assumed that the normal annual consumption of soap in the British Isles is approximately 400,000 tons.

### THE SOAPMAKERS' FEDERATION.

(3) The Soapmakers' Federation was formed at the request of the Government, and its constitution approved by a meeting of soapmakers held at the offices of the Ministry of Food on June 26, 1918; its chief function being the rationing of raw materials released by the Ministry of Food for soapmaking. . . Memhership of the Federation was, in effect, obligatory, inasmuch as the allocation of raw materials was controlled by the Federation, so that it comprised the whole of the British soapmakers. Much useful work was accomplished by the Federation, and it successfully organised and regularized the manufacture of soap, a work much appreciated by the Ministry of Food. In the latter part of 1918 the Ministry of Food had the intention of controlling soap in order to preveut an un-

In the latter part of 1918 the Ministry of Food had the intention of controlling soap in order to prevent an unreasonable increase in its price, and to ensure that soapmakers did not get excessive profits out of the raw materials supplied to them at fixed prices by the Ministry. It was proposed to make certain standard varieties, to be sold at fixed prices, and to require each manufacturer to produce a certain proportion of standard soaps. In view of this proposal the Soapmakers' Federation prepared and suhmitted to the Ministry of Food a sliding scale of selling prices, hased on the cost of raw materials and the price of glycerin, allowing to the manufacturer a margin of 10 per cent, on his selling price to distributors, and for distribution a further margin of 22 per cent, on the retail selling price, of which not less than 15 per cent, was for the retailer. The Armistice was signed while this scheme was under consideration by the Food Ministry, and

the proposal was abandoned as no longer necessary. The Federation's scale of profits was thus not approved by the Ministry of Food; it represented what the soapmakers themselves considered a reasonable margin, at all stages of manufacture and distribution, under conditions then providing prevailing.

### THE UNITED SOAPMAKERS' ALLIANCE,

(4) The United Soapmakers' Alliance was formed in August 1918, soon after the formation of the Soapmakers'

August 1918, soon after the formation of the Soapmakers Federation, and comprises small manufacturers, mostly of textile soaps, in and around Yorkshire.

The present membership of the Alliance consists of forty-three manufacturers, of whom ten are members also of the United Kingdom Soap Manufacturers' Association...
The Alliance is thus not an important factor in the soap trade. It is at present dormant, and we understand that the intention is that it shall be wound up in the near future.

#### THE UNITED KINGDOM SOAP MANUFACTURERS' ASSOCIATION.

(5) The United Kingdom Soap Manufacturers' Association, unlike the Federation and the Alliance, is an important and active body. It was formed in the early part of 1914, and absorbed the Soapmakers' Association, established in 1867, as well as the Toilet Soapmakers' Association, established in 1911. Although price-fixing for household soaps had been in vogue since 1867, consultations were, under the old Association, informal and infrequent, owing to the then comparatively stable condition of costs of production; moreover, the prices of toilet-soaps were until the their comparatively stable condition of costs of production; moreover, the prices of toilet-soaps were, until the formation of the Toilet Soapmakers' Association in 1911, entirely unregulated. With the amalgamation, in 1914, of the two Associations, price-fixing became more systematic. The Association is now governed by a council of seven, and has three committees—for hard soap, toilet soap, and soft soap respectively, each with seven members. It has a membership of ninety soapmakers, representing about 80 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the total cutter of the 290 per cent of the cutter of the 290 per cent of the about 80 per cent. of the total output of the 220 soapmakers

about 30 per cent, of the total output of the ZZU soapmakers in this country.

One of the declared objects of the present Association is "to maintain the minimum net prices and conditions at and upon which...soaps are offered and sold" in the home market. Minimum prices—both manufacturers' and retail—and conditions are fixed by the Committees, and those prices and conditions are binding on all members, with the reservation that no resolution of the Council or a Committee is binding on members of the Association unless Committee is binding on members of the Association unless adopted unanimously by the members present when the resolution is passed. . . . Soaps which form an integral part of another product, textile soaps and proprietary brands or "especialities" (stated to comprise about three-fifths of the total soap output), are not directly included in the price schedules of the Association. The prices of specialities and of non-proprietary brands are however almost invariable. of non-proprietary brands are, however, almost invariably identical, and most manufacturers make both classes of soap. . . . Thus there is no competition in price, and the prices fixed by the Association become the standard prices throughout the trade.

LEVER BROTHERS, LTD.

(6) The largest and most influential manufacturers in the Association are Lever Bros., Ltd. . . In May 1920 the authorised capital was increased to 130,000,000l., and a general reorganisation of capital was made. [A table is given] . . As previously mentioned, Lever Bros. hold the greater part of either the whole share capital or the ordinary share capital of the companies associated with them. Of the 140 companies in which Lever Bros. have necuniary Of the 140 companies in which Lever Bros. have pecuniary

Of the 140 companies in which Lever Bros. have pecuniary or other interests, thirty-nine manufacture soap.

(7) While the power and influence of the Lever Combine in the [Soap Makers'] Association is thus obviously strong, the requirement of unanimity prevents, we are told, its dominating the Association, and safeguards the interests of the independent and small manufacturers. We find it difficult to believe, however, that an independent manufacturer could, for any considerable period, prevent the definite and considered wishes of the Lever Combine from being put into effect. . It will thus be seen that, in practice, the prices at which soaps are sold in this country are fixed by agreement, and not by competition, between the different makers in this country.

(8) We have next to consider to what extent (if at all)

nakers in this country.

(8) We have next to consider to what extent (if at all) the power of the Lever Combine (exercised through the United Kingdom Soap Manufacturers' Association) to fix prices is limited by potential competition, either on the part of independent makers in this country or on the part of makers in other countries. . . We are unable to believe that the existence of these small independent makers is a serious check upon the action of the Association in fixing prices. Indeed, we feel certain that it is a far weaker

incentive to moderation in the fixing of prices than is th desire to avoid diminishing the public demand for soap. Sfar as external competition is concerned, the figures alreacted as to the small percentago of soap imports in corparison with the total production and consumption in the country show that it would be a matter of the greate possible difficulty for outside supplies to enter in sufficie quantities to affect the market. . . . No doubt if the Unit Kingdom Soap Manufacturers' Association acted extray gantly, e.g., by fixing prices two or three times as high were necessary to pay the cost of production and a reaso able profit, external competition would be stimulated an extent that might reduce the price. . . There is st another independent factor—viz., the Co-operative Who sale Society, Ltd., whose output, although much small than that of the chief soapmakers, is larger than that any soapmaker outside the Association. Practically the soap manufactured by the Co-operative Wholes Society is supplied to retail co-operative Societies, at over the period investigated by us, their best househes oap has been sold at prices lower than the prices of bhousehold soaps of members of the United Kingdom So Manufacturers' Association—the difference ranging fre 2l. 10s. to 26l. per ton. . . Although the sale of soaps the Co-operative Wholesale Society is not required to p vide profits such as other soapmakers have received, a although in consequence the net selling prices of so manufactured by the Co-operative Wholesale Society in normally lower than those of other soapmakers, this denot appear to have led to any appreciable increase in two lower than those of other soapmakers, this denot appear to have led to any appreciable increase in two lowers. desire to avoid diminishing the public demand for soap. far as external competition is concerned, the figures alread

Course of Prices.

(9) The price reduction in March 1919—four months at (9) The price reduction in March 1919—four months at the cessation of hostilities—we are told, was made as experiment by the soapmakers to meet the popular for lower prices, and with the hope that the reduction we be justified by increased demand. During March (April 1919, however, the Ministry of Food gradually controlled the various oils and fats. What then happe in the oil and fat market is well illustrated by the pof palm oil. The pre-war price was about 282, per ton; in the oil and fat market is well interfered by the of palm oil. The pre-war price was about 28*l*. per ton; November 1917 the Ministry took control, and to ensupplies fixed the price at 44*l*. per ton, which price substantially adhered to until de-control in 1919. After control, by May 1919 the price had risen to 66*l*. 12*s*, and continued to rise until in February 1920 it react about 98*l*.—more than double the price during control.

#### MANUFACTURERS' PROFITS.

(10) We have obtained figures from several manufacture companies showing the profits made on soap trading in home market over a period of years. [A table is given, From these figures two facts are to be noticed: (a) percentage rate of profit on turnover has increased largely between 1915 and 1919, c.g., from 8.31 to 162 the case of Lever Bros., Ltd., and from 10.93 to 15.2 the case of Lever Bros., and thirteen associated companon a money turnover which itself, solely by reason of creased costs and prices and not by reason of any increastonnage output, is more than two and a-half times as laterally (b) The percentage rate of profit in 1918 and 1919 is much in excess of that (10 per cent.) which the manufacturers themselves, as represented in the Soapmal Federation, asked for in 1918 as reasonable. . . It is not remembered that the margin of 10 per cent. represented manufacturers own view of what was reasonable, it therefore probably does not err on the small side. The manufacturers urge that figures, such as those greanned be taken as an indication of their real net probably excess mostles duty. We give accordingly a excess profits duty. (10) We have obtained figures from several manufactur  The fact that prices are agreed between the manufacters makes it necessary that they shall be fixed at suc a level as will enable the least advantageously placed so asker to make what the manufacturers consider a real able profit. Lever Bros. have stated in evidence that the rice of soap followed the market price of raw materials, but hat increases were deferred until the price of soap ceal to show a profit on replacement cost. As, however, we have been uniform, it is obvious that they have been reversely as and when necessary to give the soapmakers wit smallest stocks a reasonable profit. . . The cost of proceedings of soap falls into two categories—viz., (a) wages, can chemicals, packing materials, freight, also selling, so the materials of the second about so per of the total manufacturing costs.

Cost of Manufacture.

#### COST OF MANUFACTURE.

by the soap manufacturers in the standard scheme ted by the Soapmakers' Federation to the Ministry od on September 24, 1918, was 141. 15s. per ton. . . . . ponding figures for 1920 supplied to us . . . show that at were in April last as high as 231. 17s., and were in a ber 221. 19s., i.e., about 50 per cent. higher than for We were impressed by the fact that the increase of uring the last year was almost equal to that from 50 1919, and found that by far the largest items in crease of 71. per ton were establishment charges and rea and selling expenses, the increase in which, as mred with August 1919, amounted in November 1920 10s. per ton. This increase would appear to be the not so much of any increase in expenditure as of a did output, causing a temporary increase in standing as per ton of soap. . . . regards (a)-viz., wages and other expenses-the figure

11 per lb. . . EXCESS PROFITS DUTY.

2 Ve have shown that the soap manufacturers are no 2 Ve have shown that the soap manufacturers are no says asing their selling prices on replacement costs. . . . refore arrive at the following conclusions: (a) It that a large part of the high prices paid for soap in the war went in payment of excess profits duty; tax was paid directly by the soap consumer and not soap shareholder, as such. (b) The Finance Acts that in the event of profits not reaching a point envolves liability to excess profits duty, or in the cent. loss sustained, a person shall be entitled to repayent r set-off against excess profits duty payable, of such at unt as will make the total amount of excess profits it is the provided of the profit of t v id by him during the whole period accord with his softer losses during that period. We, however, realise at, ther than run the risk of not eventually receiving bayment, any trader would, if the circumstances and ond in sof trade permitted, prefer not to incur the loss at the maintain prices. (c) This is what the members of the p Manufacturers' Association are doing. . . .

#### ABSENCE OF SUBSTANTIAL ECONOMIES.

(13) Te have endeavoured to learn whether the opera-the combine have resulted in greater efficiency of rodu on. Questions of this nature cannot be authorita-

tively answered without exhaustive expert examination, but we think we are justified in recording our impression, gathered from the testimony of competent witnesses, that although the acquired companies have the benefit of the advice of Lever Bros.' experts and of their laboratory, they nevertheless, generally speaking, have continued their individual organisations, and have effected little or no economy in any of the items which go to make yet the cost of many vidual organisations, and have effected little or no economy in any of the items which go to make up the cost of manufacture of soap. . . . We understand that Lever Bros. have no vital patents, and that research has not developed any outstanding process in the soap industry, other than hydrogenation. Some soapmakers, however, whom we questioned as to the advantage of the hydrogenation process did not appear to attach any great importance to it.

(14) It has been suggested to us by critics of the Lever operations that the terms on which Lever Bros., Ltd., have acquired controlling interest in other companies are often so generous as to necessitate the maintenance of prices of their commodities at figures higher than would otherwise

so generous as to necessitate the maintenance of prices of their commodities at figures higher than would otherwise be necessary. We have, therefore, inquired into several of the recent transactions of this nature. . . . The extra dividends to be paid as a result of the recent purchases must be made in one of two ways: (1) by effecting economies in production and administration (including increase of output without corresponding increase in establishment charges), without corresponding increase in establishment charges), or (2) by charging prices higher than would otherwise be necessary for commodities dealt in... It is necessary to add that there can be no possibility of the benefit of any economies effected by the combine being passed on to the soap consumer so long as prices are agreed between all the manufacturers, many of whom would not have the advantage of such economies.

### SUPPLY OF RAW MATERIALS.

(15) We have further directed our inquiries towards ascertaining whether the supplies of any materials essential for soapmaking are monopolised or in danger of being mono-

Sagmaking are monopolised of in danger of being monopolised by the Lever combine,

As regards oils and fats—the chief ingredients of, and the determining factor in the price of, soap—we have already given our opinion that, in spite of the preponderance in West Africa of the Lever Combine, there seems the little in the combine of the c to be little immediate prospect of the world's market being

ance in West Africa of the Lever Combine, there seems to be little immediate prospect of the world's market being controlled.

In the matter of soda ash—an essential ingredient of soap—complaints by several soapmakers of difficulty in obtaining adequate supplies, and apprehensions expressed as to the future, caused us to investigate more fully the supply of alkali. We find that there is only one manufacturing company of any importance not associated with Brunner, Mond & Co., Ltd. Brunner, Mond & Co., as a result of special endeavours to meet the requirements of such an important consumer as the soap trade, is able to sell at a lower price, and supplies practically all the soda ash used in the manufacture of soap in this country. The quantity supplied by Brunner, Mond & Co. to the soap trade is a substantial proportion, but less than half of their total home sales, although the soap industry, taken as a whole, is the largest individual consumer (so to speak) of their soda ash. . . In the case of Lever Bros., Ltd., an agreement was made with Brunner, Mond & Co., Ltd., in October 1919, at the time of the purchase by the former company of the latter company's interest in Joseph Crosfield & Sons and William Gossage & Sons, by which (1) Brunner, Mond & Co. undertook not to be concerned or interested in any way in the manufacture or sale of soap in any part of the world (excepting in several European and American companies in which they were interested, and with which firms they were to use their endeavours in a like direction), and (2) Lever Bros., Ltd., undertook to purchase from Brunner, Mond & Co., so long as the latter company is able to supply, all the soda ash required in any of the manufactures of themselves and all the associated companies in which they hold shares, carrying the right to at least 50 per cent. of the divisible profits of the company (of which companies there were on April 14, 1920, forty-nine. . . It is possible that the form of the contracts and the conditions upon which particular soap manuf prices.

Practically the whole of the silicate-of-soda solution used by British soapmakers is, we are told, manufactured by Joseph Crosfield & Sons and William Gossage & Sons (two Lever companies), the right to manufacture for sale, to an unlimited extent, from soda ash supplied by Brunner, Mond & Co. having been given in the agreement between the latter company and Lever Bros., Ltd. We have no

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evidence of supplies to other soapmakers having been restricted: moreover, Brunner, Mond & Co. are free to manufacture and sell silicate of soda, are contemplating doing so, and will soon be in a position to supply.

(16) [Summary of conclusions.]

#### RECOMMENDATIONS.

RECOMMENDATIONS.

(17) We therefore recommend that: (1) If the price of soap be not ferthwith reduced by the manufacturers to a price based on the present market prices of raw materials and the costs of production, and a profit on turnover not exceeding the 10 per cent. proposed by the Soapmakers' Federation in 1918, the Complaints Committee should be asked to take cognisance of this report for their guidance in any complaints which may be made. In the present state of the raw material market and other costs the price for best household soap should, in our opinion, be not more than 9d. per lb. In the case of many manufacturers holding large stocks of raw materials bought at higher prices, such a policy would involve losses, entitling those manufacturers to claim a return of excess profits duty. (2) Parliament should authorise the Board of Trade to exercise surveillance over the existence, development, and activities of trade combinations in this country.

#### ADDENDUM.

#### APPENDIX "A."

SOAPMAKING FIRMS IN WHICH LEVER BROS., LTD., HAVE A PECUNIARY INTEREST.

PEUNIARY INTEREST.

Fifty per cent. or more of Voting Power: 1. J. Barrington & Sons, Ltd. 2. Benj, Brooke & Co., Ltd. 3. F. S. Cleaver & Sons, Ltd. 4. E. Cook & Co., Ltd. 5. John Cowan & Co., Ltd. 6. Joseph Crosfield & Sons, Ltd. 7. Doudney & Co., Ltd. 8. Gleniffer Soap Co., Ltd. 9. Wm, Gossage & Sons, Ltd. 10. Hazlehurst & Sons, Ltd. 11. Hodgson & Simpson, Ltd. 12. R. S. Hudson, Ltd. 15. Millbay Soap and New Patent Candle Co., Ltd. 16. Ogston & Tennant, Ltd. 17. C. H. Parsons & Bros., Ltd. 18. Price's Patent Candle Co., Ltd. 19. Thos. Reid & Sons, Ltd. 20. T. B. Rowe & Co., Ltd. 21 E. Ryan & Co., Ltd. 22. Sadler & Co. (Edinburgh), Ltd. 25. Christr. Thomas & Bros., Ltd. 26. J. L. Thomas & Co., Ltd. 27. Tyson & Co., Ltd. 28. Vinolia Co., Ltd. 29. Joseph Watson & Sons, Ltd. 30. Wilkie & Soames, Ltd. 31. J. Young & Sons (Springfield), Ltd. Less than 50 per cent. Voting Power: 32. A. & F. Pears, Ltd. 33. R. Wheen & Sons, Ltd.

SOAPMAKING FIRMS IN WHICH COMPANIES CONTROLLED BY LEVER Bros., Ltd., have a Pecuniary Interest.

Fifty per cent. or more of Voting Power: 1. Erasmic Co., Ltd. 2. D. & W. Gibbs, Ltd. 3. F. J. Hunt & Co., Ltd. 4. Robin & Houston, Ltd. 5. Williamson & Simpson, Ltd. Less than 50 per cent. Voting Power: 6. Charles & Co., Ltd.

Lord Leverhulme has since replied that the statement that the best household soaps should be 8½d. per lb. can be founded only upon newspaper reports of market prices. It cannot be founded, he states, upon the supplies of raw materials in the hands of soapmakers in the United Kingdom. The price of soap was lowered on January 1 to 10d. In order that the reduction in the prices of soapmay reach the consumer promptly it has been for many years the practice among all English soapmakers to rebate their customers on stocks delivered to them within the previous three weeks. Therefore the reduction on January 1 dated back to the first week in December. Similarly, soapmakers in the United Kingdom decided to reduce the price of soap to 9d. on February 14, and that reduction also dates back three weeks to the third week in January. The price of soap is not fixed by one firm or a combination of firms, but by all the firms in the United Kingdom. With reference to the prices of raw materials, they are purely ficitious, resulting from forced sales, and to-day's prices of raw materials are below the cost of production.

## Scottish Pharmaceutical Federation.

Lanarkshire. - A meeting of the Lanarkshire branch of the Scottish Pharmaceutical Federation was held as the Christian Institute, Glasgow, on February 2. Mr Dick (Bellshill) occupied the chair, and explained the nego tiations which had taken place between the Doctors' Union and the Committee, and mentioned that this meeting had and the Committee, and mentioned that this meeting has been specially called to discuss the Dangerous Drugs Ac Regulations. Mr. Murray, general secretary, then gaw a resumé of the Draft Regulations and how they will affect the trade. The meeting discussed the variou clauses, and agreed that a letter be sent to the Secretary of State asking that the Regulations be withdrawn. deputation was also appointed to arrange a meeting with all the M.P.s in Lanarkshire, so that the views of the chemists could be placed before them.

Border Counties.—A meeting was held at St. Boswells on February 6, under the auspices of the Federa tion. The meeting was well attended by the chemist from all the surrounding districts. Mr. McNab (Vice President of the Scottish Pharmaceutical Federation explained that the meeting had been called to form branch of the Scottish Federation in the Border Countie the chemists in that district already being members of solid the Federation. A motion to this effect was put to the meeting and carried unanimously. Mr. Wilson (Hawid was elected President, and Mr. Cairns Secretary. Modeling McNab then vacated the chair, and Mr. Wilson carrie on the meeting. Mr. McNab gave an address what the Federation had done and is doing for the craft in Scotland. Mr. Coats (President of the Edit burgh branch) gave an explanation of the Danger burgh by these are gainst to affect the scotland. Drugs Act Regulations, and how these are going to affe

Aberdeen. - A special meeting of pharmacists in the north-eastern area of Scotland was held in the Chamb of Commerce, under the auspices of the Aberdeen Phamaceutical Association, to hear addresses by Mess Jack (Arbroath) and Stephen (Dundee), members the Executive of the Scottish Pharmaceutical Feder tion. Mr. Stephen gave particulars of the wo of the Federation in Dundee, aid mentioned benef secured through combination, and Mr. Jack gafurther particulars of the working of the Federation. He repudiated the idea of any antagonism to work of the Pharmaceutical Society, and said that the are no more loyal members of the Society in Scotland th the bulk of the Federationists. He instanced the we being done by the Federation in connection with t Dangerous Drugs Act. After considerable discussion, it v moved by Mr. John Cruickshank (Bucksburn), seconded by Mr. W. W. Hunter (Fraserburgh), that branch of the Federation be formed for the Aberdarea, and that officials be now appointed. An amendment to defer the matter for further consideration was lost. following gentlemen were appointed as an executive carry through the formation of the branch : Preside Mr. W. Hunter (Fraserburgh); Vice-President, I John R. Reith (Cults); Secretary, Mr. A. Pater (Buckie); Mr. R. Alexander (Strichen), Messrs, W Watt, H. M. Dugan, and Chas. Simpson (Aberdeen).

"Inspected to Death."—At a meeting of the National Federation of Property Owners and Ratepayers I recently at Manchester, a delegate quoted a factory on as saying: "I am being inspected to death. Wit comparatively a few days I have had my factory vis by the factory inspector, the woman welfare inspect the lady factory inspector, a petrol inspector, the winspector, a Wages Trade Board inspector, the gas spector, a nuisance inspector, a building inspector, acceptant medical efficer, the smaller inspector, the life assistant medical officer, the smoke inspector, the lie inspector, and a police inspector to inspect my motor. I believe the day is coming when we shall be inspect to bed at seven o'clock and out of bed in the morrand that one half of the country will be inspecting other half at the other half's expense."

## Corner for Students. Conducted by Leonard Dobbin, Ph.D.

mmunications should be addressed "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C. 4.

#### Report on the January Analytical Exercise.

powder distributed to students on January 11 consed one part by weight of cadmium sulphate, one part of tannic chloride, and three parts of hydrogen potassium rate (cream of tartar). The calculated composition tuch a mixture is:

Cd		 		8.7
Sn		 		6.8
K		 		12.5
$SO_4$	• · · ·	 		7.5
Cl		 		8.1
$C_4H_4$		 		47.2
H		 		0.3
$H_2O$		 		8.9
			1	0.00

powder also contained, as impurities, a noteworthy tity of sodium and a trace of iron. Samples of the eler were sent out to seventy-three students, and fortyreports were submitted in response. n to detection of the main constituents were: (a) Mea: radicals: Cadmium, 24; tin, 16; potassium, 6.

Acidic radicals: Sulphuric, 7; hydrochloric, 4; tara, 8. In twenty-one cases the evolution of water the powder was gently warmed in a dry test-tube

overlooked. is exercise was of a somewhat unnsual description a vo respects: first, in containing tin in the stannic ition, and, secondly, in having associated with this is the only metal of the copper group which does not a brown or black sulphide. In arranging the contion of the mixture the complication that the hydrogen a iide precipitate should consist of two yellow sul-hes—one of them soluble and the other insoluble in m hydroxide and in ammonium hydrosulphide—was at duced, along with others, intentionally, in order to w correspondents an opportunity of noting particularly ressential difference in the behaviour of these sul-hes towards the reagents just named. The result has e rather disastrous to a number of analyses, one or of the two sulphide-forming metals having been isd by more than three-fourths of the writers of the ports received. In some cases there may have been a incomplete precipitation of the two snlphides, so the one preponderated largely in the precipitate at ly obtained; and, if the evidence of their reports be fully relied upon, it would seem that numerous unts found the whole of the precipitate to dissolve monium hydrosulphide—an indication that cadmium dide had not been present at all in this precipitate. those students who missed cadmium, several certainly their hands a distinct residue consisting of cadmium de, from which the stannic sulphide had been ed; but some wholly disregarded this, because they

p sed it was merely a portion of the sulphide solnble monium hydrosulphide which had not been entirely se ved by this reagent; while others, more careful, and it as a copper-group residue, but failing (owing bly to too great acidity of the solution tested) to but evidence of cadmium at the proper stage, conucl that it must simply have been an undissolved or n of an arsenic-group sulphide and did not pursue e atter further.

Othe students who missed the tin, quite a large proor n failed through adopting the simple but, as in the t instance, often wholly fallacious assumption which we deavour, vainly, it would seem—to combat in this order from time to time, that because a precipitate has not issolved completely in a solvent, therefore it has solved at all. The hydrogen sulphide precipitate seported by various students to be insoluble in ammonium hydrosulphide, without their having made any attempt to ascertain, by filtering and examining the filtrate, whether or not any portion of it bad been dissolved. A few who obtained a precipitate on acidifying the ammonium hydrosulphide solution with hydrochloric acid, concluded from its pale colour that it consisted of sulphur only, and put it aside witbout further examination.

In a few reports there was some evidence of confusion of ideas regarding the conclusion to be drawn from the colour of the re-precipitated arsenic-group sulphides. Thus the view was stated that, because this precipitate was not dark coloured, the tin must have been present originally as stannic and not as stannous salt. This view is, however, altogether erroneous. Tin can only find its way into the arsenic group in the stannic condition, and re-precipitated stannic sulphide is stannic. tated stannic sulphide is yellow. If the original hydrogen sulphide precipitate contains stannous sulphide, this will remain undissolved by sodium hydroxide or ammonium hydrosulphide except in so far as sulpbur may be available to raise it from the condition of stannous to that of stannic sulphide; and hence the importance of employing stannic sulphide; and hence the importance of employing either yellow ammonium sulphide or ammonium hydrosulphide and free sulphur in dealing with precipitates containing stannous sulphide. In reporting tin, seventeen students returned it as stannic and one as stannous salt. while ten made no reference to the condition.

Examination of the powder failed to confirm the following, which were reported as constituents: Antimony. arsenic, aluminium, manganese, nickel, magnesium, sulphite, borate, carbonate, benzoate. With regard to one or two students who, having recognised the presence of the tartaric-acid radical, of potassium, and of an arsenic-group metal, proceeded to detect antimony in order to complete the proof of the presence of tartar emetic, it need only be stated that they simply stepped into the trap designed for the reception of those who permit preconceived ideas to lead them into disregarding plain facts.

#### PRIZES.

The First Prize for the best analysis has been awarded to:

Kathleen Thompson, Y.W.C.A., Stricklandgate, Kendal.

The Second Prize has been awarded to:

S. Davenpor.
Manchester. Davenport, 32 Crosscliffe Street. Moss Side,

First Prize.—Any scientific book that is published at a price not greatly exceeding fifteen shillings may be taken as a first prize.

Second Prize .--Any scientific book which is sold for about seven shillings and sixpence may be taken as a second prize.

The students to whom prizes are awarded are requested to write at once to the Publisher naming the book or books they select.

#### MARKS AWARDED FOR ANALYSES.

1. Correspon	dent	s who	are	unqualified:		
K. Thomps	on	(1st		HF, KF	 	80
Prize)			94	Kainite	 	80
S. Davenpo	rt	(2nd		Vingt-et-un	 	80
Prize)			93	X. Y. Z.	 	80
Neon			92	Acutus	 	78
Nomen			92	Tayside	 	69
Omar			92	Niobe	 	65
E.R.y.i.y.			91	Dubois	 	64
Sucrose			89	Scopolamine	 	63
Floramye			88	Digitoxid		62
Centigrade			87	Gar-Gar	 	62
Caglio			83	Vicia		60
Alpha			81	Celurca		51
Aronoel			81	Figola		50
Cishar			81	Hirudo	 	45
Guillaume	• • •		81	Soo-See	 	45
Parex	• • •		81	Culpepper	 	44
Protophloem	***		81	Thyroid	 	42
Protoxylem	• • •		81	Crucible	 	21
Rossendale	• • •		81	Oglax	 	14
Xenon		• • •	81	Jacque	 	6
Essaveur			80 1			

82

A Suc

2. Correspondents who are qualified: ... 63 | Silicula ... Hibiscus 73 Isotope ...

#### Special Memoranda Suggested by Some Reports.

1. Do not fail to observe the behaviour of an unknown substance when slowly and carefully heated in an ignition tube. Full credit for a satisfactory Preliminary examination cannot be obtained in any case where this most useful test is omitted.

2. When testing for the sulphuric-acid radical wait for at least five minutes before concluding that a precipitate of barium sulphate has not been produced.

#### TO CORRESPONDENTS.

E.R.y.i.y.—On adding some of the powder to a few drops of cold concentrated hydrochloric acid there was not the faintest visible liberation of gas bubbles such as would have appeared had traces of a carbonate been present.

FLORAMYE.—Note that turmeric paper when dipped into hydrochloric acid and dried, assumes a pinkish colour. This colour is quite different, however, from that produced by boric acid. Comparison of the colour produced in the case of an unknown substance with that obtained

by using hydrochloric acid alone is desirable.

Centigrade.—The yellow precipitate produced by hydrogen sulphide in a solution of cadmium salt is cadmium sulphide-not sulphate. Antimony was not present

in the powder.

Caglio.—We cannot understand how you failed to obtain any arsenic-group precipitate unless you failed to make the ammonium hydrosulphide solution actually acid with hydrochloric acid. The figures printed above show that the sulphuric-acid radical was much more than a

Alpha and Celurca.—When sodium hydroxide was added in excess to the aqueous solution of the original powder, the precipitate at first produced was not entirely re-dissolved, a distinct residue of cadmium hydroxide,

insoluble in sodium hydroxide, remaining.

Aronoel.—See the general remarks regarding the reported complete solubility of the hydrogen sulphide pre-

cipitate in ammonium hydrosulphide.

GUILLAUME.—Some carbon monoxide and carbon dioxide, along with sulphur dioxide, were certain to be evolved during the heating of the powder with concentrated sulphuric acid. This test could not yield evidence by which to detect an oxalate in presence of a tartrate.

PROTOXYLEM.—Had you carefully followed up the suggested presence of cadmium, it is most likely you would

have succeeded in detecting this metal.

Rossendale.—The fact that you are unqualified is duly noted. When competitors do not indicate that they are unqualified, they are classed with those who are qualified.

Essayeur.—You state, probably by inadvertence, that the addition of hydrochloric acid and zinc converts stannous into stannic salt. The reverse is, of course, the case,

stannic becoming stannous.

HF, KF.—By some temporary lapse, you represent hydrochloric acid and barium sulphate as being added in testing for a sulphate, and nitric acid and silver chloride in testing for a chloride. Note that a sulphide precipitate due to the product of the sulphide and product of the sulphide sulp due to tin, produced in systematically examining the reprecipitated arsenic-group sulphides, will consist of staunic sulphide, irrespective of whether tin was present in the original powder as stannous or stannic salt.

TAYSIDE.—The residue left undissolved when the precipitate of calcium tartrate was allowed to stand for some time with cold solution of potassium hydroxide, and taken by you for calcium oxalate, no doubt consisted of calcium carbonate, due to the presence of carbonate.

as impurity, in the potassium hydroxide.

NIOBE.—Your experience in failing to obtain any precipitate with hydrogen sulphide is rather extraordinary and points to the solution having contained far too much concentrated acid.

Dubous.—Apparently because the hydrogen sulphide precipitate did not dissolve completely in ammonium hydrosulphide, you simply assumed that none of it dissolved—thereby ensuring failure to detect tin.

SCOPOLAMINE.—As a test for tin, you employed merc chloride, adding this reagent, however, to a solution which only a stannic salt could be present, and overlool the fact that mercuric chloride does not give any reac with stannic, but only with stannous salts.

DIGITOXID.—The precipitate you obtained in the group, but were unable to identify, no doubt consist of cadmium sulphide, due to cadmium having been completely precipitated at the proper stage by hydrometric description.

sulphide.

GAR-GAR.—The colour of the original hydrogen sulpl precipitate should have been a sufficient indication the tin was not present as a stannous salt. Stannous phide is dark brown.

FIGOLA.—On repeating your test for manganese, no dication of its presence could be obtained. Lead pero often contains manganese as impurity, and absence the latter should be proved by carrying out a b test.

Soo-See.—Although you report the presence of tartaric-acid radical, you do not adduce evidences all sufficient to establish its presence, and you repoan negative result from at least one test which should be furnished a positive indication of it.

CULTEPPER.—In several instances, which you wil able to recall, you report results from tests, which quite contrary to those which should have been observed how the divergencies have arisen, we are unable to say

THYROID.—Despite the convincing evidence to contrary which you adduce, the powder did not cor any traces of a sulphite. See the reply to "Scopplami CRUCIBLE, OGLAX, and JACQUE.—Study the general

marks above and the replies to various other corres dents, and, if opportunity permits, examine a mix of your own preparation similar to this exercise, you can detect its several constituents with certainty

HIBISCUS.—In a mixture of which almost one-half sisted of tartaric-acid radical, the silver-mirror test tartrates should not have failed if suitably app Numerous correspondents reported complete succe employing it.

## Festivities.

## Sunderland Chemists' Dinner.

THE annual dinner of the Sunderland Pharm tical Association was held recently, Mr. Ha President, accupying the chair. After the toast, Alderman John Harrison, honorary me of the Association, proposed "The Pharmace Society." Mr. Charles Ranken responded, comenting the Alderman on the services he had



SUNDERLAND CHEMISTS' DINNER,

able to render the Association. Mr. Williamson, deut of the Newcastle Pharmaceutical Association dent of the Newcastle Fharmaceutical Association, posed "The Sunderland Pharmaceutical Association, which was responded to by Mr. C. Hodgson. Mr. Chr proposed "The Visitors," which was replied to by Kerse. Several gentlemen entertained the party altogether a very pleasant evening was spent, terming with the singing of "Auld Lang Syne."

### Scottish Federation Social.

In enjoyable social was held, on February 2, at St. IN enjoyable social was held, on February 2, at St. cent House, Great King Street, Edinburgh, wheu the titish Pharmaceutical Federation (Edinburgh Branch) of their annual whist-drive. The President (Mr. John Coats) and M.C.s., Messrs. Finlay and McLennan, reset members and friends, who numbered between enty and eighty. The successful whist players were some successful whist players were some fixed from the successful whist players were some fixed from the successful whist players were to Mrs. Rankin and Mr. Manson. Mrs. Coats preted the prizes, and a musical programme followed. The successful programme followed.

## A Successful "Ladies' Evening."

'нь Bradford Pharmacists' Association held a Ladies' ning on February 2 in Halford's Café, Bradford. nut seventy persons were present, while a number had be refused admission because of the smallness of the n. The first portion of the evening was taken up with whist-drive, the following being declared the prizeners at the close: Mesdames Bolton and Firth, and srs. Cross and Stell; sealed prize, Mr. Walker; by prizes, Mrs. Oxley and Mr. Hobson. The latter ion of the evening took the form of a musical and utionary programme, which was rendered commendby Misses Jowett, Redmayne, and Hart, and Messrs.
Stell, Howson, Batley, and Fawthrop. The utmost
it is due to the President (Mr. F. E. Burdett), the
secretary (Mr. A. T. Bailes), and other officials for successful organising of the gatheriug.

## Leicester Pharmacists' Whist-drive.

whist-drive was held under the auspices of the tester Pharmacy Athletic Club, at the Co-operative 5, High Street, on February 2. One hundred and y-five members and friends were present, and an yable time was spent. Mr. W. Williamson acted ably yable time was spent. Mr. W. Williamson acted ably W.C. Mr. T. C. Peberdy (President) gave a short ch of welcome, and Mrs. Peberdy presented the erous prizes during the evening. At the interval the wing ladies were successful: (1) Miss Frisby, (2) Mrs. cock, and (3) Miss Wilkinson. At the conclusion of whist drive the winners on the ladies' side were Miss Orton, (2) Miss Tyddesley, and (3) Mr. Rimingplaying as lady. The gentlemen prize-winners were Mr. Mason, (2) Mr. Westhead, and (3) Mr. Daniels, booby prizes going to Miss Horrocks and Mr. Howard, lucky winner of the mystery prize was Mr. Tyler.

## Glasgow Pharmacy Club Whist-drive.

HE fifth whist-drive of the session was held on Feby 1, Mr. W. Wood Wilson (President) in the chair. y 1, Mr. W. Wood Wilson (President) in the chair, re was a large gathering. The prizes were gifted by Argyll Rubber Co. and The British Drug Houses, Ltd., Mrs. Finlayson, wife of the manager of the Argyll ber Co., handed the prizes to the following: Ladies: Iliss McCallum; 2, Mrs. Sievwiight. Gentlemen: Ir. Earntz; 2, Mr. McChesney. The following tes contributed an excellent entertainment: Mrs. son, Messrs. Gowans, Dickson, and McKenzie, Mr. Grant heing accompanist. The President. Mr. Wood Grant being accompanist. The President, Mr. Wood on, paid a tribute to the memory of Mrs. Saunders, died recently. Mrs. Saunders was one of the original ladies who took part in the inauguration of the Club years ago. The next whist-drive has been have uary 22. The Club hold their annual dinner for the entation of prizes on February 11. The next whist-drive has been fixed for

## A New Year Party.

HE South-East London Pharmacists' Association held ccessful New Year Party on February 3, the pro-me including progressive whist, songs, games, and bing. Over a hundred members and friends were ing. Over a hundred members and friends were ent. Mr. Siddle (President) announced progressive t as the first part of the programme. Refreshments, then provided, and during this interval an advernent-guessing competition caused much enjoyment, winners of which were the two sons of Mr. Biffin. amusing sketch in costume, entitled "The Crystal Gazer," by the Misses Clark and Shillingford, was the next item. The musical programme included songs by Miss Newmau and Messrs. Cox, Goulding, and Agnew. The prize-winners at whist were as follows: Ladies—Mrs. Palmer, Mrs. Tucker. and Miss Webb. Consolation prizes: Mrs. Sayers and Miss Ralph. Gantlemen prizes: Mrs. Sayers and Miss Ralph. Gantlemen—Messrs. Turner, Biffin, and Price. Messrs. Sayers, Tucker, and Turner were the organisers.

### Newcastle-on-Tyne Pharmacists' Dinner.

Newcastle-on-Tyne Pharmacists' Dinner.

The nineteenth annual dinner of the Newcastle Pharmacists' Association was held in the Savoy Restaurant, Newcastle-on-Tyne, ou February 2. The chair was occupied by the President, Mr. H. S. Williamson (Williamson & Hogg, North Shields), with whom were the Vice-Presidents, Mr. T. H. Flemming and Mr. J. F. Simpson (Felling); the treasurer, Mr. Wm. Kerse (Taylor, Gibsons, Ltd.); the hon. secretary, Mr. Rufus Hepworth; and the hon. solicitor, Mr. C. E. Layne. The guests of the evening included the Lord Mayor of Newcastle (Councillor T. W. Rowe), Dr. W. S. Fraser, Professor M. C. Potter, and Mr. C. L. Eclair-Heath, of Armstrong College; and among those also present were Mr. G. A. Malliuson (secretary, Retail Pharmacists' Union), Mr. T. Maltby Clague (Mawson & Proctor, Ltd., Newcastle), Mr. H. C. Roper (Brady & Martin, Ltd.), Messrs. T. Simpson and M. Simpson (Wilkinson & Simpson, Ltd.). After an excellent repast, the chairman proposed "The King." Mr. Maltby Clague submitted the toast of "The Lord Mayor and Corporation of Newcastle." It was gratifying, he said, that not a single pharmacist had come before the profiteering tribunals. (Applause.) A large portion of the city rates was levied from the poorly-paid pharmacists, and they were constrained to ask the Council to pile it on as lightly as possible. (Laughter.) The Lord Mayor suitably replied, concluding with an appeal on behalf of the colleges. saying the Durham College of Medicine was in close touch concluding with an appeal on behalf of the colleges, saying the Durham College of Medicine was in close touch with the pharmacists. Mr. T. H. Flemming (Vice-President) proposed "The Pharmaceutical Society." He said dent) proposed "The Pharmaceutical Society." He said chemists were very fortunate in their leaders, men who had that integrity and ability that were necessary for success. He believed that the recent test case and decision constituted one of the best things that could have happened. It was perhaps possible there was a danger of a cleavage taking place in pharmaceutical organisation. But he appealed to them to support both societies loyally. Mr. G. A. Mallinson (secretary of the Retail Pharmacists' Union) responded. With regard to the view that dispute neighbor result from the regard to the view that disunion might result from the formation of the new organisation, if he thought that was likely to have resulted he personally would not have been the secretary. The Pharmaceutical Society would in the long run gain by the formation of the new Union. The Society had plenty of things to do without attending to trade matters. There was the improvement of pharmaceutical qualifications in examinations to carry out, including the Major examination, Pharmacy had its back to the wall at the moment. The Home Office had issued Regulations under the Dangerous Drugs Act, which not only, he felt, attacked pharmacists, but also the rights and privileges of the public. It was the duty of pharmacists, he said, to see that these Regulations did not pass; that they were to see that these Regulations did not pass; that they were withdrawn and more suitable Regulations made which would fulfil the objects aimed at. Mr. C. E. Layne proposed the toast of "Kindred Associations and the Visitors," which was replied to by Councillor R. Bell. "The Medical Profession" was submitted by the chairman, and Dr. W. S. Fraser replied. Mr. H. C. Roper proposed "The City Colleges," and the toast was acknowledged by Professor M. C. Proctor and Mr. C. L. Eclair-Heath. The professor said they ought to have a degree in pharmacy. Mr. Eclair-Heath said that better facilities for educating the apprentices with regard to a facilities for educating the apprentices with regard to a school of pharmacy should be instituted.

COLD TEA AS A COLLYRIUM.—"The vet. was not able to cure the dog's eye by modern methods," writes a Midlands correspondent, "but the old woman's remedy of cold tea acted like a charm."

## Personalities.

MR. DAVID JONES, chemist and druggist, Llanfyllin, has been elected a member of the Montgomeryshire Insurance

MR. EWART JEPSON, chemist and druggist, Darwen, was, on February 3, elected President of the local Chemists' Association.

MR. A. ASHFIELD, Ph.C., Shanklin, has been appointed organist of the Chine Lodge of Freemasons, of which he is a Past Master.

MR. DAVID A. EVANS, chemist and druggist, 6 Milsom Street, Bath, has been re-elected President of the Bath chamber of commerce.

MR. J. C. LEDLIE, O.B.E., deputy-clerk of the Privy Council, has retired, after about ten years' service, through a breakdown in health.

Mr. Charles Hare, chemist and druggist, Birkdale Pharmacy, Southport, attained his majority as a pharmacist in business on February 7.

Mr. F. R. L. Newberry (Francis Newberry & Sons, Ltd.) has been appointed a member of the Council of King George V. Merchant Seamen's Hospital, Malta.

MR. LEO JOSEPH, J.P., chemist and druggist, 84 Albany Road, Cardiff, has been re-elected a licensing justice for the city of Cardiff, a justice under the Lunacy Acts, and a justice on the special rota for probation cases and the hearing of juvenile cases.

COLONEL W. F. WYLEY, V.D. (Wyleys, Ltd., manufacturing chemists, Coventry), Provincial Grand Master for Warwickshire, will preside at the annual festival of the Royal Masonic Benevolent Institution at the Connaught Rooms, London, W.C., on February 23.

Bro. John G. H. Hawes, S.W., chemist and druggist, Bath, was, on February 3, installed W.M. of the Royal Cumberland Lodge, No. 41, and afterwards invested Bro. F. R. Stent, chemist and druggist, Bath, as his S.W. Many medical and pharmaceutical brethren attended the

WE are pleased to learn that Mr. E. M. Holmes, F.L.S., Ph.C., whose unfortunate accident was referred to in our last issue (p. 60), is progressing favourably, and is well enough to receive visitors. A letter in his well-known handwriting has just been received at 42 Cannon Street.





Association and several Offices in connection with Insurance dispensing. Early in 1916 he disposed of his business and became superintendent of the prescription-checking burean at Bloomsbury Square, London. In the autumn of 1918 he was appointed an additional against the terror to the superintendent of the prescription of the superintendent of the supe additional assistant-secretary to the Pharmaceutical Society, from which post he has just been released. Mr. Mallinson enters upon his duties with the good will of all who have the interests of pharmacy at heart.

MASTER J. A. PICKERING (son of Mr. Alexander 1 Pickering, chemical and drug merchant, 85-88 Minorie London, E. 1) was successful in capturing the parcake almost whole at the annual classic struggle; Westminster School on Shrove Tuesday. He was duly presented with the usual guinea by the Dean Westminster.

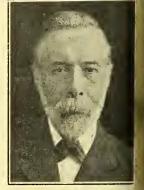
Mr. John Keall, chemist, 68 West Hill, Wandswort S.W., a member of the Council of the Pharmaceutic Society of Great Britain, appeals for votes for Walt Dutton, a candidate seeking election in May to the Roy Hospital and Home for Incurables, Putney. The ca is a very deserving one, and Mr. Keall will apprecia any influence which chemists can bring in obtaini

Mr. D. C. Chow and Mr. P. K. Sung, of the Inte national Dispensary, Ltd., 581 Foochow Road, Shangha national Dispensary, Lici., our Fooding.

China, are at present in London on a business visit, at may be addressed c/o The Chemist and Druggist. company owns eighteen drug-stores in the principal citi of China, and the primary object of the managers' is to form direct connections with British manufacture of heavy and fine chemicals, drugs, pharmaceuticals, toi goods, and druggists' sundries.

The retirement of Mr. William Johnston, Ph.C., fre the secretaryship of the Chemists' Defence Association

Ltd., and the assistantsecretaryship of the Proprietary Articles Trade Association, announced in our issue of January 22 (p. 63), has occasioned many expressions of regret, public and private. Mr. Johnston was born in Kincardineshire in 1858. He served his apprenticeship to Provost Reid, Montrose, and after further experience in Sheffield and in London, passed the Major examination in 1886. For some years he carried on a pharmacy in Brixton, S.W., and during that time worked out the details of a price-protection scheme of national scope.



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MR. W. JOHNSTON, PH.C.

The scheme, although it did not immediately come fruition, attracted the attention of Sir William (tl Mr.) Glyn-Jones, who launched the P.A.T.A, in 18 and Mr. Johnston joined the first council of the Asciation. He was soon afterwards appointed assista secretary, and gave up his pharmacy in order to devall his time to the new enterprise. In a few years had visited every town of any size in the United Ki dom; and many pharmacists in business retain vivid collections of his missionary labours. Extensive inquis made by Mr. Johnston indicated the possibility of fo ing an association for legal defence, the Chemists' fence Association being the outcome. Mr. Johnste appointment as secretary in succession to Sir Willia Glyn-Jones in 1904, his long and unremitting service, the growth of the Association under his care, are mate of history. During the greater part of the war Johnston spent his week-ends in assisting, without muneration, in the making of a variety of war materi including tents, bullets, detonators, and beds. A set chill resulting from the primitive arrangements changing clothes at Woolwich nearly had a fatal mination, but he continued doing voluntary work up the Armistice. He now retires on his own initiative of the interests, as he believes, of the general welfare; it is pleasing to learn that his services have been retaid in an advisory capacity by the Chemists' Defence Asso-tion, and that he will continue to edit "The Anti-Cutig Record," and also to act as secretary to the Drug Tre Appeal Fund.

## Birth.

ve of William Rigby, chemist and druggist, of a

## Marriage.

The White —At St. James's, Muswell Hill, London, a February 5, William Carr, chemist and druggist, castle and India, to Amy Maude White, elder of Mr. and Mrs. Walter White, 15 Woodbury t, Muswell Hill, N.

## Deaths.

a Andrewartha, chemist and druggist, late manager am Bray & Co., Ltd., chemists, Fore Street, Reded thirty-five.

III.—At Preston, Brighton, on February 3, sud-Mr. James Ross Gwatkin, chemist and druggist

(Gwatkin & Son, chemists, 49 Grand Parade); aged seventy. Mr. Gwatkin was the son of the late Mr. J. T. Gwatkin, Ph.C., one of the founders of the Pharmaceutical Society. He was apprenticed to his father and, after qualifying, joined him as partner in 1875. On the death of his father five years later he became sole proprietor. He was treasurer of the Brighton and Hove Association of J. R. GWATKIN.

Pharmacy for several years, and served on the local Committee at the Brighton Pharmaceutical Conference in



wo of his sons are pharmacists and have sociated with him in the business, which om 1835, for some time past; the business continued by Mr. Hugh Gwatkin, chemist and Mr. Gwatkin was a member of the Brighton guardians for twenty-seven years, and served us of office as chairman. He was also a churcha Volunteer, a manager of the Brighton Savings, nd a Past Master of the St. Cecilia Lodge, the is survived by three sons and a daughter, much sympathy has been extended. Mr. Gwatkin ry quiet, unselfish, and unostentations man, whose a ing ability and solid worth were known to all so in contact with him. At the funeral, which took the Brighton Cemetery on February 7, the at and Hove Association of Pharmacy was repredit the following members: Mr. C. G. Yates (Presire, F. W. Burgess (secretary), Councillor Savage, l'lowright, Mr. C. A. Blamey, Mr. R. A. Cripps, L. Evans, Mr. B. C. Greening, Mr. A. W. Hockin, F. Jones, Mr. K. J. Padwick, Mr. A. Plowright, F. Flatman, Mr. J. Padwick, Mr. A. J. Franklin,

N.Y.-At 28 Marchmont Road, Edinburgh, on 2, suddenly, Mr. Robert Love Hendry, chemist digist, 27 Earl Grey Street. Mr. Hendry cold the early part of the day at his pharmacy, and after being taken home. He qualified in 1883, sequently established himself in Edinburgh. by h in 1912, Mr. Hendry was a member of the mittee, and in that capacity became known to armacists from other parts of the country.

McWalter.—At his residence, 264 North Circular Road, Dublin, on February 5, suddenly, Mr. James

Charles McWalter, M.A., M.D., LL.D., B.L., Ph.C., aged fifty-three. James Charles McWalter, who was a native of Dublin, made his acquaintance with pharmacy as an apprentice to Dr. Leonard, Dublin, in 1882. and passed the Licence examination of the Pharma-ceutical Society of Ireland eight years later. Con-tinuing his occupation, he studied in his spare time for the medical profession, and 1897 obtained the L.R.C.S.I., L.R.C.S.I., L.M., and L.A.H. diplomas. In the same year he presented the first of several papers to the



DR. J. C. MCWALTER.

British Pharmaceutical Conference, the subject chosen being organotherapy. The Conference was held at Glasgow, and in The Chemist and Druggist of that year (C. & D., II., 1897, p. 276) there is a sketch of the author as he appeared then. When the Conference met at Dublin in 1901 Dr. McWalter served on the local Committee, and contributed a monograph on preparations of ergot. On that occasion his medical halls, of which were several, attracted a good deal of attention from Conference visitors. He was still near the beginning of his list of academic and other distinctions, during the next few years gained the Diploma of Public Health, the Fellowship of the Royal Faculty of Physicians and Surgeons of Glasgow, the M.D. degree of sicians and Surgeons of Glasgow, the M.D. degree of three Universities (Dublin, Durham, and Brussels), the qualification of a barrister-at-law, and the LL.D. degree. He was the author of "Civics," "A Few Facts about Foods," "The Public Health Act, 1907," (with Mr. A. E. Clery, B.L.), and of numerous contributions to the medical Press. In civic life Dr. McWalter was for many years an alderman of the Dublin Corporation, a guardian of the poor, Governor of the Apothecaries' Hall, and a member of the Irish Royal Academy; there were, in fact, few departments of human activity in which he had not a share, and the list we have given might be considerably extended. Early in 1915 he entered the Royal Army Medical Corps as surgeon, and saw active service in France and in Mesopotamia, attaining the rank of captain. He returned to the Dublin Corporation on his release from the Army, to the Dublin Corporation on his release from the Army, and was appointed High Sheriff of the city last year by special warrant of the Lord Lieutenant. His death occurred during the night, after hurrying home from a meeting on account of the incidence of the "curfew" regulations. The meeting was held at the house of Dr. J. S. Ashe, Ph.C., Merrion Square, and at the close of an earnest discussion on the political situation Dr. Ashe requested Dr. McWalter to intercede with General Sir requested Dr. McWalter to intercede with General Sir Neville Macready on behalf of a prisoner. Dr. McWalter immediately made an appointment by telephone with that object, and made his way home on foot; it is believed that his heart failed under the strain. Dr. McWalter leaves a widow, to whom many expressions of sympathy have been sent from all parts of the country and from all classes. His goodness to the poor was unbounded, and his sincere and courageous advocacy of his principles had long since won him the admiration of those who differed from him. Readers of THE CHEMIST AND DRUGGIST are well aware how ready and how accomplished was Dr. McWalter's style as a writer on many kinds of subjects. connected with pharmacy; it only remains to be added that in private life he was the most unassuming of men, seasoning with a delightful sense of humour his keenness as a busy and successful man and a controversialist. His loss is irreparable.

SPENCER.—At Burnham Market, on February 5, suddenly, Mr. William Frederick Spencer chemist and druggist aged fifty-one. Mr. Spencer had been at Burnham Market since 1918. An inquest was held, and death was found to be due to heart failure.

## Trade Notes.

ALLENBURY'S MILK-COCOA.—The retail prices are to be reduced to 2s. 6d. and 4s. 9d. from March 4, but reduced wholesale prices take effect from February 18.

BOURIL, LTD., announce that the Bouril bonus scheme closes on February 28, and the company suggests that, to secure the discount, orders should not be delayed.

MAP-WEB PLATE POWDER, which is used in the show-rooms and factories of Mappin & Webb, Ltd., is sold wholesale by Richard Carter (Cabinets), Ltd., 58 Red Lion Street, Clerkenwell.

CHRISTY & Co., 4, 10 and 12 Old Swan Lane, THOS. Upper Thames Street, London, E.C. 4, send us this week a new cut-out counter-card advertising Zepto pencils, paste, and powder. The card is distinctive and is sent out with orders for the goods advertised.

TRUSS FACTORY.—T. Sherborne & Co., truss-makers, 33 Honor Oak Park, London, S.E. 23, have recently increased the facilities at their works for the manufacture of trusses and surgical appliances. This enables the firm to fill wholesale and export orders promptly.

WHITE-FLINT BOTTLES.—Ayrton, Saunders & Co., Ltd., manufacturing chemists, Liverpool, are making a special offer of white-flint bottles, the prices being reduced 20 per cent. during the month of February. Particulars of the bottles and the new prices are given in the company's advertisement in this issue.

BRITISH INDUSTRIES FAIR .- Among the exhibitors at this exhibition, which opens at Shepherd's Bush, London, on February 21, are the following:

J. Milner & Co., Sheffield.

Sorbo Rubber-Sponge Products, Ltd., London. William Toogood, Ltd., London.

BRITISH LANOLINE.—The British Lanoline our attention to an ambiguity in the colour description of the lanolines made by the company (C. & D., February 5, p. 62). The hydrous lanoline is white and the anhydrous variety much lighter in colour than usual, showing in both cases exceptional purity.

PERIVALE PREPARATIONS.—Langham Bros., Ltd., Perivale, West Ealing, W. 13, publish in this number the results of the 100l. window-dressing competition which the company organised some time ago. The winner of the company organised some time ago. The winner of the first prize, Bennisons, Ltd., Chelsea, also obtained the prize at the International Advertising Exhibition at Shepherd's Bush.

DRUMMER DYES COMPETITION.—Wm. Edge & Sons, Ltd., Bolton, announce this week a window-dressing competition, in which prizes amounting to 418l.—the first prize is 100l.—are being offered for the best show of Drummer dyes. A bonus scheme of additional goods, where not less than a gross of Drummer dyes is ordered, is also referred to " is also referred to.

ESSONALINE, solid brilliantine, made by the Essona Perfumery Co., Essona Works, London, S.W. 19, has been reduced to 1s. a box. The wholesale prices and terms are given in the company's announcement in this number. Credit notes have been sent to customers who bought as the result of recent advertised rates, so that chemists are not adversely affected by the reduction in price.

EAU DE COLOGNE.—Blackaller "GEGENÜBER" Pleasance, 8 Laurence Pountney Hill, London, E.C. 4, who advertise in this issue the "Gegenüber" eau de Cologne, are the successors in business of J. & R. Cologne, are the successors in business of J. & R. McCracken, who before the war were the British agents for this perfume. Mr. Blackaller was for many years with the old firm and is well acquainted with the requirements of the trade.

"ARSPHENAMINE."—In standardise an effort to salvarsan in the United States, and to prevent the sale of worthless substitutes, the name "Arsphenamine" has been adopted, and licences have been granted for its manufacture to all persons who comply with conditions considered essential for safety and health.

Coming Events.

This section of the "C. & D." is reserved for advanceous of meetings or other events.

These should be recent Wednesday of the week before the meetings, etc., oc.,

## Monday, February 14.

Royal Society of Arts, John Street, Adelphi, London, C 8 r.m. Cantor Lecture (1). Dr. E. K. Rideal on 'p tions of Catalysis to Industrial Chemistry."

The National Drug and Chemical Union (Munchester of Lecture Theatre, Medical School (Coupland Street of at 8.15 r.m. Mr. K. Samaan, M.Sc., Ph.C., on "The Analysis and Microscopical Examination of Urine."

#### Tuesday, February 15.

tional Drug and Chemical Union (North London | Holloway Road Employment Bureau, 284-8 Hollow London, N., at 8.30 F.M. Speakers, Councillor Fred and Mr. W. Greenfield. Non-members invited. National Drug

Wednesday, February 16.

Liverpool Chemists' Association, Royal Institution, Colquist 8 r.m. Mr. Harold Wyatt, Ph.C., on "Dispensing of London (South-West) Chemists' Association, Progressive Club, Arundel Hotel, Strand, London, W.C., at 7 r.j. evening and concert. Ladies specially invited.

London (Western) Pharmacists' Association, Pinoli's Rawardour Street, London, W., at 8.30 r.m. Special was "Dangerous Drugs Act" and "Retail Pharmacists' in Varnous to a Turne Pharmacists', Association, Pharmacists' in Pharmacists', Respeciation, Pharmacists', Respeciat

Newcastle-on-Type Pharmacists' Association, Butonical Hall, Armstrong College, at 6.30 P.M. Professor M. on "The History of Botany."

Phormaceutical Society of Great Britain (North Britishmo 36 York Place, Edinburgh, at 8 p.m. Mr. R. Glo 6 Ph.C., on "Cultivation of Medicinal Plants in Scotatorical and Modern." Illustrated by lantern slides reby the lecturer.

Leicester and Leicestershire Pharmacists' Association, Library, Granby Street, Leicester. Messrs. Barke will open a discussion on "Shop Organisation."

#### Thursday, February 17.

Birmingham Branch of the Ucal Federation, Imperial at 8.30 p.m. Mr. Marfitt on "Window Dressing."

Chemical Society, Burlington House, Piccadilly, London 8 P.M. Meeting.

Staffordshire Pharmacists' Association (in conjunction at Staffordshire branch of the British Medical Associat), thotal, Stafford, at 4.30 p.m. Dr. J. S. White on Organizations.

Friday, February 18.

Hospital Officers' Association (Pharmacy Unit), 28 Bedfo Stondon, W.C. 1, at 7 P.M. Papers by Messrs. J. B. F. W. Searle on "Pharmacists' Duties" and "Drugs Act, 1920." Public pharmacists invited.

WEST HAM ASSOCIATION OF PHARMACISTS.—The anniwill be held at the Holborn Restaurant on February 2 for from C. A. Jones, 82 Victoria Dock Road, not later an rugry 17.

ruary 17.
UNITED ARTS VOLUNTEERS.—The annual reunion dinn held at the Café Monico on February 24, at 6.45 p.m. dress optional. Tiekets (8s. 6d. each) from F. G. Wells Road, Battersea, S.W. Early application requested. Wells ) b

## Information Department

### INFORMATION WANTED.

Postal or telephone information with respect to make or hand suppliers of the undermentioned articles will be appearance. P/21. Paranette solid brillian- S/42. Delbar's drops tine M/51. Savage's ursi

P/21. Y.Y. sciatica pills
H/21. Stobin ointment
B/23. Chlorozone
A/42. Cleveland Rubber Co.,
Ohio (present English agency)

Agency)

M/51. Savage's urst
B/72. Williams' aquvel
L/92. Maude's 'cond a ders'
E/92. Formenta
K/92. King's vaccin on

M/51. Savage's ursi B/72. Williams' aqu'el L/92. Maude's 'cond n

## INFORMATION SUPPLIED.

Inquiries regarding the following articles have been so stamped, addressed envelope to the Information Deparent Chemis and Dargoist, 42 Cannon Street, London, E.42 Dr. Rice's patent truss, 8/511 Electrolysis operators, 8/52 Emulsified liquid shampoo in bulk, B/82 Granuline cye remedy, 8/82 Inecto hair dyes, De/42 Liquid globe dispensers, 8/22 Seephanes for wow plays, F/72 Yersin's serum, C/86

CHEMIST AND DRUGGIST, 42 Cann-Binns' nit combs, C/82 Dr. Rice's patent truss, S/311 Electrolysis operators, S/32 Emulsified liquid shampoo in bulk, B/82 Granuline cye remedy, S/82 Inecto hair dyes, De/42 Liquid globe dispensers, S/22

## pservations and Reflections.

By Xrayser II.

## Man Regulations

made under the Dangerous Drugs Act are to so many and such serious objections on points etail, that in the storm of protest raised against the monstrous fact that it is possible in a country sibly under the rule of Parliament to legislate for this way at all may be overlooked. In protesting 1st this we should have the support of every industry e country, for there is none that is not liable to have sterests endangered in the same way. There is no ction for us in Acts of Parliament, a Charter is a farce, custom stands for nothing if a Department or nister may by a stroke of the pen override them all ese Regulations override the Pharmacy Acts. Even lictation of the Privy Council in the matter of the w is nothing to this; there is something rotten in tate in which it is possible, and ultimately we are ourst responsible for it. With an all-powerful majority e House of Commons, and a nerveless opposition, we owerless to make our will felt, and have consequently our interest in politics. The Departments can do they will with us, or nearly so, and we ought ps to be glad that in this instance the mark has overstepped and the trade thoroughly roused.

#### Month's Council-meeting

was almost wholly occupied routine business (the consideration of the Danger-Drugs Regulations was the only exception), and it probably be taken as a fair specimen of what these ngs will be in the future. The retiring members ear are all notable personalities; everyone of them have little doubt, sure of re-election if he desires ndeed, there seems to be no occasion for a contest, personally I hope there will be none. It is most ble that we should let nothing divert us from the off building up our new Union and securing a satisty governing body for it. This, and not the Council, true centre of interest for us just now.

#### **Title**

"Retail Pharmacists' Union" is not an ideally t one, but now that it has been formally adopted and possession of the field, it seems to me a mistake to rat it, and a very great mistake to use it to the lice of the Union. After all, it is a correct designant strict accordance with facts. We are pharmacists, we are retailers, however incongruous the two purmay be, and it is childish to object to the titles accepting the facts for which they stand. Morethe combination is a fairly old one, as old, almost, we, and it is paralleled in effect in virtually every sion. There is a commercial side to everyone of and we need not be ashamed of ours. The fact, er, appears to be that objectors to the title R.P.U. consciously acting upon the principle that any stick denough to beat a dog with. The way in which a ninon has been forced upon us has aroused a very all resentment which reacts against it in many obscure

There is occasion enough for criticism of the in which it is being engineered, but our criticism be directed to points of practical importance, and not that diverts our attention from these should be d. Let us concentrate our attention upon the that really matter. A Union of some kind we must let us show ourselves capable of one by refusing lisunited over such unimportant questions as names nealogies.

## pplied h we Really Lack

in our attempt to organise ourselves is r possessed at once of true insight and constructive, with sufficient personal force to draw others after and men of this magnetic type are unfortunately rare. In of average ability there is no lack in the ranks macy; we have a "Man of the Month" for whom nore than average ability is claimed presented to

us twelve times a year, and I dare say they deserve the flattering things said of them, though I confess that personally I prefer the decent obscurity of a pseudonym to the flashlight turned upon them in the pages of "The Script." But up to the present nobody has emerged who bears the authentic marks of a leader of men, and probably the habit of mutual admiration so easily acquired in small cliques and local associations is a contributory reason why. The atmosphere thus created is favourable neither to the growth of genius nor to its discernment. I should have more hope of our lack being ultimately supplied if we were a little less satisfied with ourselves and with one another. Meanwhile we are left a prey to the bureaucrat, with just enough ability to realise that we are "but helpless pieces of the game he plays," and to criticise the action we are powerless to prevent. We are, in fact, what Mr. Wells would call slaves of the machine.

### The Preliminary Examination

standard was distinctly lowered when Latin was omitted as a compulsory subject, and one cannot but wonder whether this has anything to do with the state of things at Cardiff. In any case the restoration of Latin to its former position is much to be desired, and ought to be the first step taken in the way of raising the standard. I am aware that the Latin required was never sufficient, and cannot reasonably be made sufficient, to justify a candidate's claim to be regarded as a classical scholar; but, small as it was, my own experience and observation assure me that as a means of mental training it was the most impor-tant of all the subjects. Professor Elmer More, once a teacher of science, now one of the leading classical scholars in America, declares in one of his recent essays that of all possible subjects of study Latin grammar affords the best mental exercise; and that of two young . men, the one with a good preliminary acquaintance with science but with no knowledge of Latin, the other well grounded in Latin but knowing nothing of science, he has invariably found the latter do best in any special scientific study.

## The Chemist's Dress

is not a matter of vital importance, but entirely one of convenience and of individual taste and fancy. I confess to a dislike of the somewhat butchery-looking overall adopted in some shops, and of anything that savours of the uniform, or invites invidious comparisons between employer and employed. The dress, it is true, does not make the gentleman, but it may react a little upon the wearer if it suggests inferiority. A suggestion that would meet many of the objections to the overalls referred to is that they should be made of a less noticeable colour and material—say, of a dark (preferably black) good alpaca, in the shape of a frock coat. This would be light in wear, washable, and in every respect suitable for its purpose. It might be made as elegant as you please; the difference between it and one's ordinary apparel would be hardly noticeable, and it could be worn at the front counter as appropriately as behind the dispensing-screen.

## The Chemist,

as depicted by Mr. Robert Lynd the other day in the "Daily News," is obviously intended for a figure of fun, but it is rather a sad sort of joke that Mr. Lynd plays off at our expense. The chemist, he says, is the most cheerful of men, and with good reason. He has the prestige of mystery and superstition behind him; he is entirely "a romantic and wonderful person," playing fascinating tricks with his phials and his tubes; his life satisfies to the full the human instinct of curiosity, for he knows all the secrets of the neighbourhood, who has corns or the measles, or cannot sleep at night, or has enlarged his liver by over-indulgence at the table; there is perfect freedom from monotony (!) in his life, too, for everybody who enters his shop demands a different bottle. He has, in short, the varied life of an artist, and one wonders that he does not sing at his work. Songs there ought to be about it; beer and whisky are not more inspiring themes, surely, than cough-mixtures or the curealls in which he deals?

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## Editorial Articles

Home Office Defiance.

We print in another part of this issue a letter wh Edward Troup, Permanent Under-Secretary at the Office, has sent to "The Times." The letter is in a challenge by a Civil servant to the public, and inthat chemists, doctors, dentists, and the public redouble their efforts in obtaining the support of un of Parliament to secure that the Draft Regulations by the Home Office are defeated. Parliament is, or be, the master of the servants it employs. Sir Troup has the audacity to state that "the interes; directly concerned " were consulted before the Reg. were issued, without adding that in the case of th macentical Societies of Great Britain and Irelnotice whatever was taken of the protests as to practicability of the Regulations or of the suggestion forward for amending the Regulations. The defic public opinion is accentuated in the fourth par where it is stated that the Regulations are issued to carry out obligations under the International Convention, and "they will be made under the powers given for this purpose by Parliament Dangerous Drugs Act of last session." Could a insolence go further? The Convention express, that Regulations need not be made in cases where a tribution is already controlled, and that Regulatio not necessarily apply to prescribing and dispens doctors and chemists. In direct opposition to this statement in Article 10 of the Convention, the Draff lations put forward suggestions as though then no poison laws at all this country. Moreover, the tions are unworkable and quite useless from the view of the detection of criminal practices. This Office letter, following on the equally patronising in the Pharmacentical Society of Great Britain which that "any representation on detail will be consider fully before the rules are finally made" (C. January 15, p. 59 , shows the temper of the official a warning against slackness in the efforts to defeat at reasonable Regulations. It is not a bad plan for the have aiready corresponded with local members of ment to write again pointing out the attitude of the Office, and asking members of Parliament to press appointment of a committee of experts to superior ! drawing up of Regulations under the Dangerou le Act. Good work in moulding public opinion is be; in Scotland, and it is a pity that in England and we have no unofficial body working with the vigord Scottish Pharmaceutical Federation. The advertor in the Scottish public Press are bringing home to the what the Draft Regulations mean, and farmers par are taking up the matter. The Hawick chemi interviewed the Chief Secretary for Scotland, promised to transmit their protests to the Home A group of hospital pharmacists has made suggethe Home Office in regard to the application of the tions to hospitals. The exact nature of these su is not known, but we hope it is not true that they that retail chemists-who have not been consulted in submit to the same routine as that which it is sa should be pursued in hospitals. The cases are n fours, and retail chemists are the best judges Regulations will ensure proper precautions in the bution of cocsine and morphice and their prepul It would appear that the heavy cost to hospitals we Regulations will entail has been overlooked. hospital and institution an additional pharmacist id

T00 1

In Bern

ore medical men will be required to carry out the detail ork involved. The Minister of Health might very well udy this aspect, in view of the appeal to the Government r financial assistance which is being made by hospitals, he British Medical Association is making tardy reprentations to the Home Office regarding the Regulations, it so far we have not heard that the Federation of edical and Allied Societies, towards which the Pharmautical Society contributes handsomely, has moved earing in mind Sir Edward Troup's inference that the eneral Medical Council and the Royal Colleges of hysicians and Surgeons have approved of the Regulams, which were submitted to these bodies before they are issued, it looks as though pharmacy is being left to all the chestnuts out of the fire for the doctors.

## Overseas Trade in January.

He Board of Trade Returns for January, as was to be pected, fully reflect the extent of the commercial pression, imports, exports, and re-exports showing a betantial decline; but it is consoling to note that the cline in exports is much less than in imports. The ures are as follows:

As compared with December, our export trade fell off over six and a-half millions, a feature being that the lue of our coal shipments amounted to little more an half the figure for January 1920. Among the imports. very satisfactory feature is the decline in foodstuffs of enty-four millions sterling. Raw materials declined by rty-one millions sterling, and manufactured goods by e million sterling. The fact that raw materials declined rty-one millions seems ominous, and points to further rt-time working for our factories. In the manufaced-goods section the imports of chemicals, drugs, dyes, d colours amounted to 2,343,541%, or 687,000%. less than January 1920. The decline applied to the bulk of the reduled articles, some of the more important shrinkes including acetic acid. tartaric acid, glycerin, potasim and sodium compounds, cream of tartar, zinc oxide, inine, and miscellaneous drugs. Dyes and dyestuffs, wever, were imported in largely increased quantities. er 27,000 cwt. of finished dyes and dyestuffs obtained om coal-tar being imported. Ground barytes continues arrive in large quantities, and white lead to a less tent. Imports of oils, fats, resins, gums, etc., were ut halved, falling to 4.177.2667.. practically every reduled item being affected. Only 2,277 lb. of mercury s imported, compared with 64.858 lb. in January of t year. On the export side of the account the chief line is in raw materials, coal falling off by almost six llions sterling, due to the temporary loss of our chief ntinental customers for reasons which need not be ted. We exported almost eighty millions sterling of mufactured goods during January (or three and a-third llions less than in January last year), and this in spite a world-wide depression. The iron and steel manutures reached over ten and a-half millions sterling. two and a-half millions more, but cotton goods fell seven millions, reflecting the condition of the staple lustry of Lancashire. The chemical and drug figures ll continue their upward career, and are as follows:

1913 1920 1921 £ £ £ January ... ... 1.757.564 3.353.667 3.386.148 The increase over January last year is 52,4811., and compared with 1913 the expansion is 1,628,5847. The improvement last north was almost solely due to ammonium sulphate, values rising to 629,4191., compared with 256,8181. last year. Coal-tar products fell off by 33,0001., and potassium compounds by 52,0001; glycerin improved from 61,0001. to 110,0001., and sodium compounds fell by about 250,000 cwt., the shipments amounting to 605,000 cwt. Our exports of drugs and medicines fell off by almost 100,0001., the figures being as follows:

1913 1920 1921 ± ± ± ± 5 January ... 213.902 387.225 289.737

The export of dyes and dyestuffs amounted to 397,5821., against 550,6441. last year, but the quantity fell from 50,041 cwt. to 20,646 cwt. As is usual with the first returns of the year, a number of important changes have been made in classification of countries. Thus "Russia" no longer includes Finland, Esthonia. Latvia, Lithuania, and the part of Poland formerly Russian territory. Similarly "Austria" and "Hungary," as newly constituted, are shown separately, and do not now include the new Slav States, which were formerly part of the old Empire. "Asiatic Turkey" no longer includes Smyrna, Syria, Palestine, Armenia, and Mesopotamia, and "Greece" includes the parts of European Turkey ceded to her.

#### The Dental Menace.

THE "British Dental Journal," which is the official organ of the British Dental Association, reviews in the last issue the position in regard to the Dentists Bill. After consideration of "What we have gained "the following comment is made:

It thus appears that, of these amendments which the Association, when it dealt in debate with the recommendations of the Departmental Committee, considered necessary in any Bill based on that Report, there remain without satisfaction, in greater or less measure, only two—the nature of the consideration to be shown to the unregistered practitioner and the prohibition of the description of premises. It is necessary not only to unite in our attitude, but also to unite on something that will be accepted by Parliament. It ought to have a sobering effect on the inevitable debate that a contentious measure has little chance of being considered. But while this consideration must impress us with a sense of responsibility, it must not overwhelm us. The Bill deals with certain things which are of absolute importance. If it does not give absolute prohibition and complere control, we cannot accept it. If it does, then everything else is a matter for negotiation.

This shows an appreciation of the fact that in the face of opposition the Bill will stand little chance in the crowded session of Parliament that opens on February 15. We hear from a well-informed quarter that the suggested penalising of chemists who carry on dental operations is likely to be dropped. It is recognised, apparently, that not only is such a provision an aspersion on registered chemists, but that the whole Bill will be imperilled if this clause is persisted in. Dental chemists must, however, keep a strict watch against political trickery such as was brought to bear on the Government during the final stages of the Poisons and Pharmacy Act, 1908.

A PROPOSAL has been made to increase the Japanese import duty on glycerin in order to afford more protection to the domestic industry. One conjecture is that the duty will be finally raised to about 20 per cent. against the existing rate of 3.20 yen per 100 kin, which is equivalent to 5 per cent.

THE HIDDEN MEANING OF "E.P.D."—Speaking at the recent annual dinner of the Bath chamber of commerce. Captain Foxcroft, M.P., said that in Spain they put on tombstones the letters "E.P.D.," which were the Spanish equivalent of "R.I.P." He suggested that the Chancellor of the Exchequer might be interested to hear this.

## Dangerous Drugs Act, Regulations.

## The Home Office View.

THE following letter from Sir Edward Troup, permanent under-secretary in the Home Office, appeared in "The Times," February 9:

As certain misapprehensions appear to be entertained with regard to the Draft Regulations which have been issued by the Home Office under the Dangerous Drugs Act, 1920, I ask room in your columns for the following

statement

1. The Regulations have not yet been made. They have been issued in draft, in pursuance of the Rules Publication Act, 1893, in order that all persons and bodies interested may have the opportunity of considering them and submitting any representations or suggestions before they are finally made. All such representations or suggestions will be carefully considered.

2. The Regulations have not, as has been suggested, been issued without previous consultation with the interests most directly concerned. A preliminary draft was submitted to the Pharmaceutical Societies of Great Britain and Ireland, the General Medical Council, the Royal College of Physicians, and the Royal College of

Surgeons.

3. In several important respects the Draft Regulations have been misunderstood. It has been suggested, for instance, that a doctor is required on each occasion on which he gives a hypodermic injection of morphia or otherwise administers any of the drugs to enter the fact in a book. This is not so. The Regulations require certain records to be kept in cases where drugs are supplied, and these apply to doctors who supply medicines to their patients, as well as to chemists who supply them on a doctor's prescription. But there is no requirement that a record has to be kept of a personal administration of the drugs by a doctor.

4. The Regulations are issued in order to carry out cur obligations under the International Opium Convention, the acceptance of which was made one of the conditions of peace by Article 295 of the Treaty of Versailles, and they will be made under the express powers given for the purpose by Parliament in the Dangerous Drugs Act of last Session. The terms of the Convention require the Government to limit the use of the drugs in question (opium, morphia, cocaine, etc.) to legitimate medical and scientific purposes. The Regulations seek to carry this out by restricting sales to (1) persons licensed for the purpose; (2) persons belonging to certain professions who are given a general authorisation—e.g., doctors, dentists, pharmaceutical chemists, veterinary surgeons, etc.; (3) persons for whom the drugs have been

### SIR WIDLIAM GLYN-JONES' REPLIES.

prescribed by a duly qualified medical practitioner.

"The Times" of February 10 contains the following rejoinder

sir William S. Glyn-Jones, secretary of the Pharmaceutical Society, yesterday stated that the form the "consultation" [referred to in Sir Edward Troup's letter] took in the case of the Pharmaceutical Society of Great Britain was that the Home Office sent them a preliminary draft of the Regulations. In a letter, dated December 6, the Society replied, taking fundamental objection to the Regulations as drafted. They suggested that, before further considering the draft, the Home Office or the Ministry of Health should set up a Committee to deal with the objections that had been raised. They pointed out that the delay could easily be defended in view of the fact that the principal preparations affected by the Dangerous Drugs Act had already been brought within Part I. of the schedule of the Pharmacy Act.

The reply to this request was a letter, dated December 7, saying that it was not possible to delay the publication of the draft, which subsequently appeared practically unamended. That, said Sir William Glyn-Jones, was the

amount of consultation with the Pharmaceutical Society. Great Britain. The attitude of the Irish Society was shiply the fact that they were appealing for help to get Regulations withdrawn and radically amended. He not know whether the "consultation" with the o organisations mentioned by Sir Edward Troup had on the same lines, but he would be surprised if the D Regulations met with their approval.

In a further letter to the Home Office, dated January the Pharmaceutical Society of Great Britain expreregret that no opportunity had been given to their Cmittee to place their suggested modifications before Home Secretary. The letter said: "The Society In over contested the necessity, in view of the Commideplore the fact that the Draft Regulations bear on the face convincing evidence that the Home Office are with the knowledge of the conditions surrounding the supplications with a deliberate and ruthless disregar those conditions. It is, in the opinion of the Commiunfortunate that the growing and very natural feeling resentment on the part of all sections of the communicagainst Government interference should be accentuated the publishing of Draft Regulations which involve the mumum of inconvenience without acheving the objects. the publishing of Draft Regulations which involve the m mum of inconvenience without achieving the objects are intended to secure. The Committee are of opinion the Regulations as drafted cannot possibly be comparith? with.

With regard to the point made by Sir Edward T that the Regulations are issued in order to carry out obligations under the International Opium Convention, William Glyn-Jones pointed out that Article 10 of Convention expressly states that the contracting pas shall use their best endeavours to adopt certain meas "unless regulations on the subject are already in existen

shall use their best endeavours to adopt certain meas "unless regulations on the subject are already in existen In a letter to the Home Office, dated February 3, Society wrote:

The Home Office is aware that statutory regulat governing the sale of these substances are contained in Pharmacy Acts, and have existed and been in force s. 1868, and at the present time the supply of all the stances covered by the Dangerous Drugs Act are the sut of the most stringent conditions and safeguards. This seems to have been completely ignored by the framen the Draft Regulations.

He added that Sir Edward Troup had declared that Regulations were misunderstood, but if that interpretawas correct it showed that they had been badly draft overwhelming opinion among doctors, veterinary geons, pharmacists, and in public hospitals was that Regulations as drafted could not be worked. The P maceutical Society had submitted to the Home Odetailed criticism of the Regulations, and, in conjunctions in Great Britain and Ireland, was approaching Home Secretary to ask him to receive a deputation to the withdrawal of the Draft Regulations and the substion of others, drawn up after due consultation to representative bodies.

"The Tibes of the Regulation and the substion of the Tibes of the suppresentative bodies." representative bodies.

"The Times" also summarises the matter in an edite article as follows:

### THE DANGEROUS DRUGS UKASE,

To those professional bodies which have been exerg themselves during the past weeks to secure the amoment of the Draft Regulations made by the Home 0 under the Dangerous Drugs Act of 1920, Sir Edw Troup's letter which we published yesterday will of as a surprise. In their criticism of the Regulations to have made it a point that they were not consulted we the Regulations were framed. They are now told Sir Edward Troup, on behalf of the Home Office, the preliminary draft was submitted to the Pharmaceut Societies of Great Britian and Ireland, the General M Surgeons. To-day, however, we publish a rejoinder Sir William Glyn-Jones, secretary of the Pharmaceut Society, which in effect traverses Sir Edward Truit to the control of the Pharmaceut Society. statement. It appears that the Society protesty vigorously against the preliminary draft, but that Home Office nevertheless declined to delay publicat In the light of the correspondence which passed, it we to which also Sir Edward Troup sent his Draft Regitions, is also agitating for their withdrawal, and on belt

the doctors the British Medical Association has entered trong protest. Indeed, it must now be quite clear to Home Secretary that there is every justification for yiew that his Regulations were framed by people o either did not know or deliberately disregarded the iditions surrounding the supply of dangerous drugs. It can the excuse be entertained that the Regulations ce made necessary by the obligations imposed under International Opium Convention. Article 10 of the avention expressly refers to Regulations already exist, and allows these full weight. We are forced to conde that this action by the Home Office is but another ical illustration of the manner in which the present ministration seeks to do good by force. The weakness this manner—as will be discovered—is its reckless disard of instructed opinion and its reliance on public pidity or indifference.

## North British Branch Moving.

dr. J. Rutherford Hill, resident secretary of the armaceutical Society of Great Britain, Edinburgh, sounces that he is preparing a memorandum covering, objections to the Draft Regulations which chemists I find useful in writing to members of Parliament. In meantime a preliminary letter has been sent to each ottish peer and each Scottish member of Parliament. his letter to members of the Society announcing this Hill states :

n reply to numerous inquiries I have to explain that newspaper advertisements have been issued by the Execusiof the North British Branch.

of the North British Branch. Tou will see the great point to aim at meantime is to members of both Houses of Parliament know how we ard the Draft Regulations, what steps the Council of Society is taking to deal with the matter, and to ask mbers of Parliament to support our request for a conence with the Home Secretary. This is done in the gular-letter enclosed.

he most helpful thing to do is to back up that circularbe most reput time to do its to back up the re-er by quite a short letter to the local M.P. saying you ad like him to kindly accede to our request. Divisional retaries should sign as such, and other secretaries as for ir respective organisations.

## Irish Activity.

During last week Mr. Fred Storey (President), and the nmittee appointed by the Chemists' and Druggists' iety of Ireland to deal with the Dangerous Drugs Act iety of Ireland to deal with the Dangerous Drugs Act aft Regulations interviewed Sir Wm. Whitla, L.P.S.I., P., Mr. R. J. Lynn, M.P., and Mr. W. A Lindsay, P., relative to amendments. The Ulster Farmers ion was also interviewed and asked to co-operate. e Committee consists of Messrs. S. Gibson, J.P., W. E. Ison, J. D. Carse, W. J. Rankin, C. B. Abernethy, I.S. Suffern, and the President. On February 5 the foling letter was sent by the Society to the Home

retary:

The Committee of above Society begs respectfully to test against the proposed Draft Regulations under the agerous Drugs Act at present before Parliament, which agreed to in their present form, would involve great dship to chemists and druggists and registered drugs throughout Ireland. This body has no objection to Regulations as applied to potent drugs, such as cocaine opium in the pure state, but we are of the opinion that y ought not to be enforced in their present form, as the would inflict great hardship to the public, especially the farming community. We would urge that full and eful consideration be given to the various views on the ject submitted to you by the different Associations rested. We beg to draw your attention to the fact that Ireland chemists and druggists and registered druggists qualified to sell the schedule poisons, but are not legally itled to dispense or compound medical prescriptions. Committee would be glad if you would arrange to give a denutation from this Society, as the points integrated are most vital.

'he Chemists' and Druggists' Society of Ireland have st a circular to all the members of the trade in Ireland h reference to the Dangerous Drugs Act. After setting fith the various articles which, under the new Draft I rulations, registered druggists will be prevented from

sing, the circular proceeds:

As these cannot be sold without a prescription from a As these cannot be sold without a prescription from a medical doctor this Society is taking vigorous action to protect the rights of registered druggists, and is in communication with the Home Office and all the local members of Parliament. It is quite obvious that if these Regulations become law in their present state registered druggists will be deprived of their rights and privileges under the Pharmacy Act. We urge all registered druggists who are not already members of, this Society to join at once, and so strengthen our hands in getting the Draft Regulations amended, and also, if you write to your local member of Parliament objecting to the Regulations in their present form, it will help considerably.

At a meeting of the Executive of the Belfast and District Chamber of Trade, on February 7, Mr. J. C. Culbert, M.C.P.S.I., invited the assistance of the Chamber in protesting against the Regulations proposed to be made under the Dangerous Drugs Act, 1920, which, he said, would impose considerable hardships on traders public without remedying what was sought by the Government. He moved the following resolution :

· That, as the Regulations under the Dangerous Drugs Act are obviously ineffective and unworkable, an unwarranted interference with trade, and calculated to cause a maximum of trouble and suffering with a minimum of benefit, and would be a heavy charge on the State, this Chamber calls on the authorities to withdraw the Regulations, and have them re-drafted in consultation with the statutory bodies dealing with drug matters, who alone can have the practical knowledge necessary for the drawing up of an effective and workable scheme

Mr. W. J. Hardy, Ph.C., in seconding, described the Regulations as an intolerable interference with the liberties of the individual. Some of the simplest household remedies would not be obtainable except through a doctor's prescription. Farmers, especially, would be badly hit, as they could not be permitted to keep the commonest cures for horses and cattle in their houses. They could not obtain them even on the authority of a veterinary surgeon. The Regulations had been framed without consultation with trade societies. "Dope," which the authorities were hitting at, was sold by foreigners with hyphenated names in London, and not by recognised traders. Mr. Cheyne and Mr. Price supported this resolution, which was unanimously passed.

#### Scottish Federation Activity.

With the heading "Thrice armed is he who hath his quarrel just," the Scottish Pharmaceutical Committee has sent out a further circular, from which we extract the following :

We are out for a great principle. Ever remember that this fight is being fought to secure our own as well as

Defeat is unthinkable, that is why we urge so strongly to

help all you can.
Leave no stone unturned; for instance, every pharmacist has customers with whom he is on friendly terms, and in many cases these customers have influential friends who would be willing and glad to do you a good turn. Ask

The safety of the public must be our first consideration. The training, experience, responsibility, and skill of the qualified pharmacist should be urged as the only real protection for the public.

If that fails there is no substitute.

tion for the public.

If that fails there is no substitute, and no conditions should be introduced to detract from the demand upon the pharmacist's professional honour and sense of public duty. Speaking about the "prescription every time," think l—if these Regulations become law—what it will mean to your customers as to the fate of old family prescriptions which for years you have repeated time and again (taking it for granted they contain potent drugs). Many of the doctors who wrote the prescriptions are dead.

What are your customers going to do about that?

who wrote the prescriptions are dead.

What are your customers going to do about that?

The telephoned prescription should be a strong point.

Every dangerous drug prescription must be separately entered; this means that you will require to keep five different books (see "P.J.," 15/1/21), and if a prescription comes in with several ingredients, and perhaps three of them "dangerous drugs." then each of the three must be entered separately in the special books pertaining to that

drug.
We are sure you will not welcome the copying of N.H.I. scripts.

Great stress is laid on the duly authentic prescription. It will be the easiest thing in the world for an unscrupulous person to forge a prescription.

No, no; the more you think about it the more you will be convinced that this thing will not do!

As we have already stated, look at the hardship it will entail on the honest, thrifty, poorer working classes. It is a positive scandal.

We advised you watch the daily papers; you will, before this reaches you, have noticed the start of the Press campaign.

It is going to be a costly business, but we mean to win

through.

through.

So grave is the danger that we cannot do better than quote the words of the Editor of The Chemist and Druggist in last week's issue, where he states: "The attempt to set up a costly and unnecessary Department at the Home Office at the present time just because some official sees the opportunity of magnifying his importance must be resisted at all costs." We place great emphasis on the last three words. But it will be worth it.

With the circular is contrary constant.

With the circular is sent an annotated copy of the Draft Regulations.

The following summary of the chief points to emphasise in interviewing or writing to members of Parliament has been issued by the Scottish Pharmaceutical Federation:

The Dangerous Drugs Act was passed ostensibly to fill an International Agreement come to at The Hague in 1912 to control the "manufacture, importation, sale, distribution and exportation of morphine, cocaine, and their respective salts."

The Regulations as issued by the Home Secretary go much further than the recommendations of the International Opium Convention which excluded "medical pre-

scriptions and sales made by duly authorised pharmacists.

The Regulations were issued without consultation with the Pharmaceutical Society of Great Britain, the body charged by Statute with the administration of the Poison

and Pharmacy Acts.
The right of the pharmacist under the Pharmacy Acts to dispense and sell poisons has been taken away without parliamentary legislation.

The Regulations inflict hardships and needless expense on the consumer by requiring a fresh medical prescription every time medicine containing the scheduled drugs is

needed.

For instance, a chemist will not be able to supply any customer with a Dover's powder chlorodyne, gall and opium ointment, and many other common domestic remedies without a prescription, which can only be used once.

This will greatly increase the cost of medicine. In addition to the doctor's fee, the chemist will require a larger dispensing-fee to recoup him for the time spent in carrying

out the negotiations.

Farmers and stockowners cannot legally administer a colic draught to their horses unless on the prescription of a registered medical practitioner, and cannot keep a draught ready for use on the premises.

We suggest the Regulations should be withdrawn pending a thorough inquiry and consultation with expert authorities. That while the inquiry is going on the present D.O.R.A. Regulations should be continued.

## Advertising to the Public.

We gave recently a sample of the advertisements that are being inserted in the Scottish daily papers by the Scottish Pharmaceutical Federation. The advertisements are well drawn up, the following being another example from the "Edinburgh Evening News":

#### DANGEROUS DRUGS ACT (1920).

#### DRAFT REGULATIONS.

These Regulations must not be Allowed to come into Operation, Because

1—You will not be able to purchase numerous domestic remedies which you have legitimately been accustomed to

2—You will be subject to severe penalties if you have in your possession any Laudanum, Gall and Opium Ointment, Dover's Powder, and many similar preparations unless obtained by a doctor's prescription.

3—It will be unlawful for Farmers and Stockowners generally to keep a Colic draft on their premises.

4—They substitute for the skill and care of the Chemist and Druggist, controlled by the Pharmacy Acts, the illu-

sory safeguards of mechanical restrictions—and the police

man.
5—They will cause the maximum of inconvenience ar expense to the public with no corresponding benefit.

6—They form a typical example of Departmental legisl tion without Parliamentary discussion; advantage w taken of the Parliamentary recess to rush them out, as

7—THE PUBLIC WERE KEPT IN IGNORANCE. THEREFORE

Write your M.P. AT ONCE, and put a question at h next meeting, and

ASK YOUR CHEMIST WHAT IT MEANS.

### Retail Pharmacists' Union Suggestion.

The Retail Pharmacists' Union is sending out to loc associations the following suggested form of letter be sent to the Home Secretary:

As practising pharmacists and members of the abo-association, we, the undersigned, wish to enter a stro-protest in view of the very unsatisfactory nature of the Draft Regulations under the above Act. A careful co-sideration of the subject leads to the inevitable conclusithat not only are these Draft Regulations a severe encroac ment upon the rights of pharmacists, but that the Regultions are quite unworkable. Possibly you, Sir, have n considered the question personally, but when anyone 1 quiring a small quantity of any ordinary medicinal plaration containing any of the drugs affected by the Regulations must obtain a doctor's prescription befo being able to purchase, the matter certainly borders of the ridiculous

being able to purchase, the matter certainly borders of the ridiculous.

Further, in regard to the emergency requirements doctors, dontists, and institutions like hospitals and nursi homes, it would appear that any order by telephone f hypodermic tablets or solutions of morphia or coacine, etc. annot be dealt with under the proposed Regulations, be must wait until the properly drawn up prescription order is presented. Possibly you are not aware of the fact that for these emergency supplies doctors, dentishospitals, and other institutions are largely dependent the local chemists, and many of the drugs are constant ordered by telephone. It is not going too far to state the delay in delivery would in many instances be a vital matter Doctors are also in the habit of telephoning urgent presentions in which preparations of the drugs coming under the scope of these Regulations would occur. We respectful suggest that you should consider as an example the pos-

scope of these Regulations would occur. We respectful suggest that you should consider as an example the possibility of an emergency use of the telephone in case sickness in your own household being of no effect through the operation of these Regulations.

May we respectfully suggest that the present Dra Regulations be withdrawn, and technical assistance obtain from the representative bodies of the professions concerne in order that suitable Regulations may be drafted whi will not be irksome to the professions and troublesome the public.

will not be present to the professions and troublesome the public.

We are not opposed to the proper regulation of the so of these drugs, and desire to help you in this matter, b we submit that the present Draft Regulations will provi-the minimum of effective control with the maximum amount of annoyance to the public, the doctors, the chemis and others who use these drugs in the practice of the professions.

### Press Opinions.

The "British Medical Journal Supplement," February contains the following reference to the Regulations:

contains the following reference to the Regulations:
Further study of the Draft Regulations made by t
Home Office under the Dangerous Drugs Act of 1920 sho
that the first impressions of the far-reaching effect th
must have on the work of the medical practitioner, if p
in force unmodified, were by no means exaggerated. Fo
separate books will have to be kept at each surgery
branch surgery: one for cocaine and ecgonine, one f
morphine, one for heroin, and lastly, one for medicir
opium, and in each case for the substances containing the
In these books must be entered the details of all transtions in these drugs, whether incoming or outgoing. Mo
over, the entries must be made on the day on which a over, the entries must be made on the day on which a transaction in them takes place. The books must be on transaction in them takes place. The books must be or to inspection at any time. As the Regulations now stand would seem clear that entries must be made whenever hypodermic injection of morphine is given or a morphi suppository is administered.

Apart from the great inconvenience and expense whi these Regulations will cause to bona-fide patients w require medicines containing these drugs, serious objecti will be raised by doctors who dispense their medicine

th requirement that the total amount of the drug in the th requirement that the total amount of the drug in the page or bottle (and in case of solutions the amount and pentage of the drug in the solution) must be stated on the abel of the bottle or package containing preparations of the drugs in question. The psychological effect of this rement on many patients, like most other practical solutions of the connected with prescribing and dispensing, has been to ooked or ignored by the draftsman.

rward Macleod, in the "Glasgow Sunday Post," y well sizes up the capacity of the Home Office dals responsible for the Draft Regulations. From

i rticle we quote the following examples:

in ticle we quote the following examples:

fore you can lay your hands on a sweating powder an tuck yourself up in the blankets you must first enter to find a doctor. If you are lucky you meet him an hour or two, get him to write out a prescription is sweating powder, pay him for the same if you are not not be panel, and then call on the chemist—by which in in all likelihood your cold will have arrived on the ce, and all the sweating powders on earth may prove a vail. Moreover—and this is the bitterest pill of lime ach and every occasion when you feel the need sweating powder you must make another raid on the

Il m each and every occasion when you feel the need sweating powder you must make another raid on the or and procure a fresh prescription. It is enough to the gods double up with laughter.
Lictly the same tomfoolery has to be gone through also one can obtain chlorodyne mixture for a cold, anyptus and cocaine pastilles for a sore throat, liniment in um for sprains, or simple gall and opium ointment. It is the sweating powder, contain fractional quantifier powerful drugs, and, therefore, from the viewpoint e Home Office autocrats, the drug-doped citizens of in must be guarded against themselves.



Exits confer at the ts confer at the Home Office as to whether castor oil ould be put on the list of dangerous drugs under power aftered by Section 8 (2) of the Dangerous Drugs Act, 1920.

SENIC IN VINEGAR.—The Newark public analyst rec tly reported that a sample of malt vinegar was found to ptain a trace of arsenic. The vendor has surrendered the emainder of his stock.

ILIAN MERCURY.—The exports from Italy for the first ix months of 1920 were: To France, 1,600,000 lire; to srmany, 3,200,000 lire; to Great Britain, 2,300,000 lir Increased exports are anticipated, owing to the accisition of the Idria mines.

### New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

SIDNEY H. BLUNT, LTD. (P.C.).—Capital, 1,000l. Objects: To carry on the business of manufacturing, wholesale and retail pharmaceutical and analytical chemists and druggists, manufacturers of and dealers in circumstant will be supported by the contract of ointments, pills, powders, skin preparations, hair lotions, tablets, soaps, creams, and toilet requisites, etc. The first directors are: S. H. Blunt and Mrs. Hannah Blunt. R.O.: 1 Finnemore Road, Little Bromwich, Birmingham.

SHIBAKAWA & Co.—In the Chancery Division, on February 8, Mr. Justice Astbury sanctioned a scheme of arrangement between Shibakawa & Co., Ltd., and their creditors. In support of the scheme it was stated that last July a serious financial crisis took place in Japan, and the company found itself unable to collect its debts there, and, in consequence, it was unable to pay its creditors in England. The company proposed that creditors whose goods had either been shipped or were in port waiting shipment should be paid in full, and those creditors whose convents had not been expected chould be receive 10 per cent. of the total amount of the contract. The sum involved in the scheme amounted to 161,000/. Both oclasses of creditors had, by overwhelming majorities, approved the scheme. As a result of the scheme being sanctioned, the petition for a winding-up was dismissed

Amalgamated Photographic Manufacturers, Ltd.-The prospectus of this amalgamation (C. & D., February 5, p. 53) has now been issued. The capital of the company is 1,100,000 (divided into 100,000 Seven per Cent. Cumulative Preference, 600,000 Ten per Cent. Cumulative Participating Preference, and 400,000 Ordinary 1l. shares. The pating Preference, and 400,000 Ordinary 11. shares. The purchase price is fixed at 800,000%, in which is included 154,200%. for patents, patent rights, formulas, and secret processes, but nothing for goodwill. The purchase consideration is satisfied solely in shares made up of 98,000%. Seven per Cent. and 320,000%. Ten per Cent. Preference, and 380,000%. Ordinary shares. The paid-up share capital of the businesses taken over is 434,200%. There are now offered for public subscription 250,000% of the Ten per Cent. Participating Cumulative Preference shares of 1%. Cent. Participating Cumulative Preference shares of 11. each, whose participating rights consist of a further 2 per cent. pari passu with the Ordinary shares after the latter have received 10 per cent. and the directors their special remuneration, equal to 10 per cent. of the profits available for distribution after payment of the fixed Preference interest, and 10 per cent. on the Ordinary capital. The subscription-list will close on or before February 15.

G. B. Kent & Sons, Ltd.-The report for the year ended September 30, 1920, states that after allowing for bad and doubtful debts, depreciation, etc., there is a balance of profit of 27,781/. 10s. 1d., to which have to be added the balance brought forward from the previous year, and the transfer fees. On the other hand, there are to be deducted interest on mortgages and loans, income tax, and directors' fees, also interim dividend on the preference shares duly paid, leaving a balance of 20,1517, 14s. for distribution. The directors are pleased to be able to show a still further improvement in the annual balance sheet, due to a considerably increased turnover. The board have paid the usual half-yearly dividend on the preference shares, placed 1,000l. to reserve, 2,000l. to property and equipment reserve, have written down goodwill by 2,000*l*., and after paying the life directors' fees (2,100*l*.), recommend a dividend of 12 per cent. on the ordinary shares, which carries with it a further 1 per cent. on the participating preference shares (this extra 1 per cent. for the twelve months ended September 30, 1920, will be added to the usual half-yearly dividend payable on July 1, 1921), thus absorbing 14,765/, and leaving 5,3861. 14s. to be carried forward.

### Associations' Winter Session.

Birmingham.—A meeting of the Council of the Birmingham Pharmaceutical Association was held on February 7, Mr. J. W. Atkinson (President) in the chair. The secretary reported that the local subscription list for the Harrison Memorial Fund totalled 161. 10s. The chairman reported upon the Conference of Delegates held in London on December 8, and a discussion followed, Mr. Lloyd giving useful information of the steps being taken in London, and of the form of local organisation most designed to assist the Union. It was decided to call a meeting of employer members, to take place probably on February 24. The Draft Regulations under the Dangerous Drugs Act were discussed. It was considered that these, in their present form, would be most unworkable. The secretary reported having sent a protest to the Secretary of State, which was approved, and it was decided to send also letters to the local members of Parliament.

Croydon - A meeting of the Croydon Pharmacists' Association was held on February 8, 1921, Mr. H. Cooper Neve (President) in the chair, at which Mr. A. R. Melhuish addressed the meeting on the Dangerous Drugs Act and the Retail Pharmacists' Union. Mr. Melhuish explained the origin of the Dangerous Drugs Act, and discussed the position of the various professions concerned, and referred to the prompt and energetic action taken by the Pharmaceutical Council. A discussion followed, and after various questions had been answered by Mr. Melhuish the meeting passed a resolution protesting against the Draft Regulations. A copy of the resolution will be forwarded to the Home Secretary and the Pharmaceutical Society. The members present also agreed to send a personal letter of protest to the Home Office. Mr. Melhuish then explained the formation of the Retail Pharmacists' Union. A resolution was afterwards carried unanimously, strongly supporting the Union, and at the same time pledging loyalty to the Pharmaceutical Society. In closing, Mr. Melhuish referred to the importance of the future financial position of the Society, and intimated that it was a matter which would require the very serious and careful consideration of the Council. Mr. G. A. Tocher, as secretary of the Metropolitan Federation, was also present, and urged every member to send to the Home Office his protest against the Draft Regulation. tions. He also referred to the election of the Executive Committee of the Union, probably in March, and in order to secure a vote he advised members to fill up the application form and send it at once to the Union.

Flint. A meeting of the Flintshire Pharmacists' Association was held on February 3, Mr. P. J. Ashfield (President) in the chair. Mr. Ashfield was again elected *President*, and Mr. A. E. Slinn Secretary. The members of the Association agreed to join the Retail Pharmacists' Union, and a local committee was appointed. The Dangerous Drugs Act was discussed, and a protest will be sent to the Secretary of State.

Halifax.— The annual meeting of the Halifax Chemists' Association was held on February 1, the President (Mr. L. Chambers) in the chair. The Draft Regulations of the Dangerous Drugs Act were considered, and it was resolved that a protest be sent to the Secretary of State. It was unanimously decided to form a branch of the Retail Pharmacists' Union, and to ask members to make an additional contribution to the funds of the Union, apart from the membership subscription. The election of officers was postponed until April. The treasurer (Mr. J. E. Wormald) reported on the financial state of the Association, and it was considered necessary to increase the annual subscription to 12s. 6d. per annum.

London (E.)—The East London Pharmacists' Association held a meeting at Limehouse on February 3, Mr. A. R. Keith (President) in the chair. A discussion took place on the Draft Regulations under the Dangerous Drugs Act. The chairman pointed out the importance of obtaining the withdrawal of the Regulations, and it was decided to send a protest to the Home Office, coupled with a demand for their withdrawal.

London (N.).—The monthly meeting of the London Pharmaceutical Association was held on ary 8, Mr. C. W. Andrew in the chair. The sec reported on the Dangerous Drugs Act Regulation question of joint action to meet the unemployed prin London, the roll of honour suggested for Londo Retail Pharmacists' Union, and other matters. Jenkin ontlined the Pharmaceutical Committee and criticism from the meeting was levelled at the nof a contract with the Retail Pharmacists' Union was not on a business basis. The old contribution giving profits for organisation, and the amount defining profits for organisation of the spaper on Not Comments on the British Pharmacopæia. He dead the constitution of the committee compiling the He suggested the sending of a resolution urging the topress for full representation on the next Pharmacom The resolution was approved, the speakers being 1 Skinner and Jenkin. Miss Buchanan, who was we by the President, also made a few remarks of Benevolent Fund. Mr. Noble gave a dramatic reprinciple of the Benevolent Fund? Mr. Seported on the Ladies' Sewing Guild, and worker invited to meet each Tuesday. A vote of than accorded to Mr. Noble, and the sum of 51. 11 collected and handed to the Ladies' Guild.

Newport (Mon.).—The monthly meeting of the port (Mon.) Chemists' Association was held on ary 1, Mr. J. Menhinick (President) in the chacircular explaining the objects of the Retail Pharm Union was read, and it was agreed to follocal branch of the Union, with the President, President, and secretary of the Association (Mes Menhinick, G. Shelley, and Jared Edwards) to act same capacity, together with the following to the committee: Messrs, Benson Harries, T. J. I and A. O. Findlay. The Draft Regulations (Dan Drugs Act) were discussed, and it was deciforward a protest to the Home Secretary. The tary was also instructed to communicate with the master-General protesting against the new telephone.

Portsmouth.—The Portsmouth Pharmacists' ciation he'd a meeting on February 9, pres'ded of Mr. J. W. Rhodes. The Dangerous Drugs Act cam discussion, and Mr. Atterbury was appointed to move the docated doctors that evening to explain the provisions Regulations and, if possible, secure assistance in of the objectionable features. Mr. Eyres proposed the Association should join in the protest against the telephone rates, but this the meeting negatived. Quehemists in the employ of company shops were unany declared eligible for membership of the Association should join in the protest against the telephone rates, but this the meeting negatived. Quehemists in the employ of company shops were unany declared eligible for membership of the Association should join and a provisional committant appointed in Messrs. J. W. Rhodes, A. B. St. W. R. Atterbury, and C. H. Baker.

west Bromwich.—The West Bromwich Pharms cal Association held the annual meeting rule at which the following officers were elected: Prof. Mr. Francis Blackham (Oldbury); Vice-Presider S. Wineroope (Great Bridge); Treasurer, Mr. Rex. Auditors, Messrs, Beattie and Withers; Joint Section Messrs. Wood and Kemsey-Bourne.

Wolverhampton.—A meeting of employer a cists was held on February 2, Mr. C. M. Warnerd chair. It was decided to transfer the funds Employers' Section to those of the Association, of merge that section into a branch of the Retail lacists' Union, subject to the approval of the Erio of the Union. The matter was discussed and committee, consisting of Messrs. C. M. Warnerd man), H. Oakley (vice-chairman), and W. R. Dudsecretary), was elected. An invitation to attending convened by the local branch of the British Association was received, and on the request fundical men, three delegates (Messrs. C. M. F. J. Gibson, and C. H. Trotter) were appointed by the medical delegates, the local in of Parliament to discuss the Dangerous Drugs to

### etail Pharmacists' Union.

1.:ds.—A special meeting of the Leeds Chemists' ation was held on February 3, under the presidency i. H. Gilleghan, to consider the position of Leeds easts in regard to the Retail Pharmacists' Union and a langerous Drugs Act. After Mr. F. Pilkington r unt had explained the clauses of the Regulatious, it as ecided to send a protest to the Home Office. Mr. r unt explained at length the aims and proposed rang of the Retail Pharmacists' Union: most mers had already become members of the Union, the remainder promised to join. It was decided, ore, to establish, within the Leeds Chemists' ation, a Leeds branch of the Retail Pharmacists'

Pharmacists' Association was held in the Council ber, Houldsworth Hall, on February 3, to discuss etail Pharmacists' Union and the formation of a branch. Mr. A. Hershberg occupied the chair. hairman first explained what had been done regardle Dangerous Drugs Act Draft Regulations. He satisfied that Manchester pharmacists had done their at in protesting, both by telegrams and letters, to come Office against the Draft Regulations. He ided that the protests from all over the country have a beneficial effect. He then spoke on behalf Retail Pharmacists' Union, and appealed to those ad already joined the R.P.U. to impress on their chemists the urgency of joining the Union. Mr. Nidd said he would like to dispel a that seemed to exist among chemists, and that the Pharmaceutical Society were to "boss" the P. The R.P.U. was not going to be "bossed" by armaceutical Society or by any other body. Every are who joined the Union would have a vote, and

phasised the necessity of every chemist in business liately joining the Union. If necessary, a personal s might be made to rope in every possible member. Iallinson had informed him that they had had over applications for membership, and many more were received daily. He had been asked why the Local ations Executive were in love with the scheme. It mply because no better scheme had been put for and they had to admit that amalgamation with D.A. and the P.A.T.A., who had valuable assets, he best they could do. Mr. F. W. Bates, J.P., booke in favour of the scheme. The following resonance was than moved by the designant. That this was then moved by the chairman: "That this cation of Employer Pharmacists pledges itself to t the Retail Pharmacists' Union and to further erests in every possible way." This was seconded J. Cleworth, President of the Manchester Phartical Association, who emphasised the necessity of esolution, and asked for the support of every pharmacist in Manchester in carrying out the given. This was carried unauimously. It was id to form a local branch of the Union. It so agreed, with the approval of the districts conn, that Manchester combine with Salford and the ouring districts and make one large branch, with ester as the central meeting-place. Mr. J. H. dethen announced that as the result of the negotian London they had received a promise from the runce Commissioners of an increase in their payment surance work. This was received with applause.

N reastle-on-Tyne.—One of the largest meetings of lacists ever held in Newcastle-on-Tyne took place bruary 2 at the Connaught Hall. The President of [ewcastle Pharmacists' Association (Mr. H. S. Il nson) occupied the chair, and the meeting was sed by Mr. G. A. Mallinson, who spoke on the nous Drugs Act Regulations and the Reta'l Phareis' Union, and he gave a lucid explanation of cincinal matters connected therewith. Mr. T. Clague reminded the meeting that Mr. Mallinson and Idressing some of the constituents of the Home

Secretary, who is a member of Parliament for Newcastle, and he thought this fact should give added weight to a protest from Newcastle, and especially from Mr. Shortt's constituents, with which Mr. Mallinson expressed agreement. A number of questions was asked, mainly relating to the Dangerous Drugs Act Regulations, to which Mr. Mallinson replied. Resolutions calling for the withdrawal of the Dangerous Drugs Act Regulations and pledging support to the Retail Pharmacists' Union were passed unanimously. Mr. Mallinson, in replying to a vote of thanks, stated that he had a number of membership forms in his bag, and a capacious pocket for subscriptions, and a large number of gentlemen took the opportunity to join the R.P.U.

### Royal Institution.

A LECTURE entitled "Cloudland Studies." dealing with the constituents of the atmosphere, their distribution, and solar radiation, was given recently by Sir James Dewar at the Royal Institution, Albemarle Street, London, W. Sir James Crichton-Browne occupied the chair. Sir James Dewar pointed out that the atmosphere comprises a long series of gases from the lightest known, hydrogen and helium, to the heavy radium emanation. In addition, there is a cloud of dust, fed, on the one hand, from earth's atmosphere. Theoretically, the heavier gases should be absent from the higher altitudes, and a single spectrum of a meteor obtained by Pickering revealed an atmosphere consisting of hydrogen and helium. The experimental verification of this theory must at present be regarded as lacking, but the work on rockets being carried out by R. H. Goddard in America justifies the hope that it may be obtained. The high velocity attained by these rockets (7,500 feet per second) is due to the principle of exploding multiple charges loaded into and fired successively from the same combustion chamber. It is calculated that by means of the rockets an instrument weighing 1 lb. could be sent to an altitude of 64 miles, and, with the aid of a balloon, remain buoyed up at this height for a few minutes. Turning to the subject of solar radiation, the lecturer recalled the experiments of Pouillet and Langley, the more recent observations carried out at Washington and in Chile, and the photometric measurements of the variations in the brightness of the planet Saturn furnished by Guthnik, of the Berlin Observatory. (Pouillet found the value 1.73 calorie per square centimetre for the solar constant, while according to Langley the figure was 3 or even 4 calories, but the value now accepted is 1.93 calorie.) Sir James Dewar has been making observations in London on zenithal radiation by night with a new form of actinometer which he has recently constructed. The instrument consists of another application of cooled charcoal. When the charcoal is exposed to the radiation its equilibrium is disturbed, and in consequence gas is expelled to a proportionate extent, the amount being measured by a delicate manometer. At the conclusion of the lecture Sir James announced that he and his wife would be celebrating, in addition to his eightieth birthday, their golden wedding during the present year.

ANALYTICAL CHEMISTS' FEES.—It is reported from Darwen that analytical chemists in the Northern counties have been increasing their fees of late, usually by 50 per cent.

VETIVERT FROM WEST INDIES.—Considerable use is made of tronical "sweet grass" in Trinidad, especially during the Christmas season. This "sweet grass" includes the dried fibrous roots of the grass, the botanical name of which is Vetiveria Zizanioides, Stapf, another name in common use being Andropogon squarrosus. It is a native of India, Ceylon, etc., and known as khus-khusor vetivier. It is grown locally on a moderate scale, and the fibrous roots are to some extent imported from Martinique. In Cayenne, French Guiana, an effort is now being made to distil the perfume from the fibrous roots for commercial purposes.

### College Notes.

BATH COLLEGE FOOTBALL TEAM.

Considerable local interest has been aroused in the football matches recently played by Bath College of Pharmacy against Bath City Police. The police were victorious in the first game by three goals to nil, but in the second the students turned the tables and won by four goals to one. In the third match, played on January 27, the students outplayed their opponents and won by two goals to nil.

Westminster College of Pharmacy.

An enjoyable whist-drive and concert was held by the students of the Westminster College recently. Sixteen tables were arranged for whist, which continued until 9.30 p.m. Light refreshments were then provided by Mrs. Woodnoth, assisted by energetic helpers. The remainder of the evening was occupied by a concert, to which Madame Rena Manska (Fairburn Opera Company) kindly gave her services, contributing two songs, which were greatly appreciated. Other items were given by Mr. G. S. V. Wills and Messrs. Allman, Gee, Morrison and Griffiths, the last-named of whom acted as accompanist.

FUTURE OF EXETER SCHOOL OF PHARMACY.

At a meeting of Exeter University College committee, held on February 7, it was decided to confer with the Plymouth education authority with a view to the transfer of the School of Pharmacy, which is at present conducted by the College, to the Plymouth Technical Schools. The school has been extremely successful, both educationally and financially, and the Exeter authorities would be glad to retain it as part of their organisation; but, in view of the co-operation between Plymouth and Exeter in the furtherance of University education, it has been thought right to consult Plymouth with regard to the future of the school, and, if Plymouth desires the transfer, to offer facilities for making it. The approval of the Pharmaceutical Society will be required before the transfer of a school of this status can be made.



LIVERPOOL SCHOOL OF PHARMACY DANCE.

PRESENT and past students of the Liverpool Sch Pharmacy, with members of the staff and other local macists, united, on February 2, in a dance at the I nia Rooms, Cunard Building. The growth of the numerically is accompanied by recreative as well as tific developments, football matches with students School of Art and other schools forming a popular for

WELSH COLLEGE DEBATING SOCIETY.

A MEETING of the Debating Society in connection the Welsh College of Pharmacy, presided ov Mr. Highfield, Ph.C., was, recently, address Mr. A. Hagon, chemist and druggist, Card member of the Pharmaceutical Council. The s dealt chiefly with the prospects of the stafter they left the College, and gave them advice their careers. Following the address a numl questions were asked by the students. A vote of to Mr. Hagon, proposed by Mr. P. W. Evan seconded by Mr. J. Morris, concluded the meeting.

### Insurance Act Dispensin.

A Record of matters concerning Chemists' interests in the N Health Insurance Acts

meeting, passed a resolution, which they ordered sent to the Plymouth Insurance Committee and the Western Joint Pricing Committee, protesting increases of expenditure on the part of a Pricing mittee without consultation with the representate each constituent Insurance Committee. In a dexcessive prescribing, the Insurance Committee not to take further action against the doctor, as considerably reduced the cost of his prescribing significant considerably reduced the cost of his prescribing significant.

Leicester.—A meeting of the town and county maceutical Committees was held on February W. T. Hind presiding. The delegates to the Conference of December 8 gave their report, after the members agreed for the transference of the Incontracts to the Retail Pharmacists' Union. The agreed to accept the contract for checking the Isseriptions under the Retail Pharmacists' Union Contract. It was also decided that the balance of from the Pharmaceutical Society Checking Burtansferred to the R.P.U. Checking Bureau. A from the Leicestershire Insurance Committee to supharmaceutical service at Bagworth and district we discussed and found not to be a business proposite.

was held on February 8, Mr. A. J. Wing (chair) the chair. The report of the Central Checking for November 1920 showed a margin of error of Arising out of this report the pricing of certain was questioned, and the secretary was instructinguire into the matter. Considerable discussionate on letters received from the Pharmaceutidal and the Retail Pharmacists' Union regarding the Checking Bureau and the checking of prescript the year 1921. The Committee afterwards agreed transfer of the Checking Bureau's funds to the Pharmacists' Union, and it was also decided to endecking of prescriptions for the year 1921. The seported inter alia that there were 505,932 present in the prescription; particulars of dispensing for the year 1920, at an average cost of per prescription; particulars of dispensing for the year 1920, and 1,486 during the second question the year 1920, and 1,486 during the third quartitle Insurance Committee had authorised the Joint Sub-Committee to deal with all matters related missing and on the delay of payments for tions dispensed under the Ministry of Pensions.

Trade Report.

ces given in this section are those obtained by importers or n ufacturers for hulk quantities or original packages. To these p es various charges have to he added, whereby values are in n'y instances greatly augmented hefore wholesale dealers r ive the goods into stock, after which much expense may be ir rred in garhling and the like. Qualities of chemicals, drugs, and many other commodities vary greatly, and higher p es than those here quoted are charged for selected qualities o atural products even in hulk quantities.

### 42 Cannon Street, E.C. 4, Feb. 10.

ghtly improved tone noted last week has not been ned in the chemical and drug markets, and purcontinue on hand-to-mouth lines. The decision to the excess profits duty, and especially the intimat it is not intended to substitute it by another tax, ly welcomed in commercial circles, but the effect can only be sentimental for some time to come, hother well-known root causes of depression must be ol before any revival of an outstanding character anticipated. The monthly drug-auction is due eld next week, but at the time of writing it is of business done at the last two auctions not commensurate with the expense and trouble in-

At the moment produce brokers are more connaising their brokerage to a total of 2 per cent. ntracts—i.e.,  $1\frac{1}{2}$  per cent. from the seller and  $\frac{1}{2}$  per om the buyer-and, although several meetings have ld, no decisiou has been arrived at. The price-in drugs are few and mostly in buyers' favour, and lency to liquidate stocks at best obtainable bids is parent. Ergot is cheaper, with offers from the States at below spot prices. Cod-liver oil is put in little demand. Senega has sold more freely prices. Rhubarb, aloes, jalap, and senna are at easier rates. Beeswax is plentiful, and can

had at practically pre-war rates. Canary, lin, nin seeds are lower; caraway is easier. Castor oil lorice juice are cheaper. Menthol closes firmer on

и	**** *							
	Fire	ner	Lower					
4	d oil	Menthol	Acetanilide	Lead acetate				
ī	Eas	sier	Anise oil, star	Linseed				
e in more	oine inone	Lime oil (dist.) Nutmeg oil Orunge oil (Sic.) Palmarosa oil Patchouli oil Patchouli oil Phenazone Phenolphthalein Potash carbonate Potash chlorate Rosemary oil (Sp.) Sassafras oil Soda bichromate Soda hypo. Spearmint oil Spike oil (Sp.) Tannic acid Tartaric acid Wax, bees'	Areca Canary seed Castor oil Citric acid Clove oil Cod-liver oil Cream of tartar Creosote carb. Cumin seed Disinfectants Ergot Geranium oil (Eourb.) Ginger Glauber salt Glucose	Liquorice-juica Mint oil (Jp.) Pennyroyal oil Peppermint oil Pimento Potash bichromate Potash caustic Soda benzoate Terpin hydrate Theobromine, pure Vanillin Wax, veget.  (Jp.)				
E	tate	Wormseed oil						

### Cablegrams.

N, February 9.—The catch of cod now amounts 1,7,000, against 504,000 at the corresponding date as year, and the yield of steam-refined medicinal oil hectolitres, against 883 hectolitres at the same of last year.

E YORK, February 9.—Business is quiet. a are lower, calomel having been reduced to \$1.00 ll and corrosive sublimate to 85c. Mercury is also \$49.00 per flask. Peppermint oil in tins has been to \$4.75, and podophyllum root (mandrake) to r lb. Acetphenetidin (phenacetin) has declined and antipyrine to \$1.90 per lb.

### London Markets.

Antimony is very slow, especially English regulus, which at 40l. to 42l. for small lots is really dear, compared with foreign, for which dealers are bidding about 25l. c.i.f., against offers at 26l. to 27l. to arrive. The severe slump in silver under intense pressure of selling by China is naturally against the market. Crude is quiet at around. 20l. per ton, and to arrive 19l. to 19l. 10s. c.i.f. is quoted. English white oxide of antimony is easy at the reduced figure of 40l.

ARECA remain in plentiful supply, with sellers at from

40s. to 42s. 6d. per cwt.

Balsams.-Tolu is obtainable at 2s. 9d. per lb. on the Peru is nominal at 11s. per lb. Canada is 11s., and filtered B.P. Copaiba 3s. per lb.
CAMPHOR (CRUDE).—Good white Chinese is offered at

2s. 6d. per lb., and off-colour down to 2s.

28. 6d. per lb., and off-colour down to 28.

CAMPBOR (REFINED).—Japanese 2½-lb. slabs are quoted at from 4s. 4½d. to 4s. 6d. per lb., and 4s. c.i.f. for February-March shipment; ¼-oz. blocks are 6s. 3d.

English makers quote bells at 6s. 5d., blocks at from 6s. 3d. to 6s. 9d., and flowers at 6s. 3d. per lb.

CANTHARIDES.—Russian offer at 12s. 9d. per lb. and

Chinese at 58. 6d.

CASCARA SAGRADA has been in slightly increased demand, spot selling at from 97s. 6d. to 100s, for matured bark. To come forward, 1920 crop is offered at 92s. 6d. c.i.f.

CASCARILLA has been selling in a small way at 4s. 6d. per lb. for fair quill. Siftings appear to be unobtainable.

Coca Leaves.—At the Amsterdam auction on February 23, 3,765 packages (3.438 bales and 327 cases) Java leaf will be offered, weighing 204,397 kilos, and containing the total equivalent of 2,871 kilos. alkaloids. The average percentage is 1.40.

Cod-Liver Oil.—The present prospects point to a good Lofoten fishing, and for shipment from Norway agents' quotations are lower at about 175s. per barrel c.i.f. for

new medicinal oil of recognised brands.

Damiana Leaves are selling slowly on the spot at from

18. to 1s. 1d. per lb..

Egg Products remain flat. Chinese liquid hen-yolk has been sold at 80s. per cwt. for prime; and for April-June shipment 65s, per cwt. c.i.f. is quoted. Dried yolk is  $5\frac{1}{2}d$ , per lb. on the spot, sprayed whole egg 1s., and native dried whole is 7d. per lb. spot. Prime Chinese hen albumen is 3s. 5d. per lb. on the spot. April-June shipment sellers quote 2s. 10d. per lb. c.i.f.

Encor.—The fact that there are offers from the United States at 5s. per lb. c.i.f. London keeps this market unsettled. On the spot 6s. 9d. per lb. will buy good

sound Portuguese.

Farina is easier, Japanese No. 1 offering at 24s. 6d. per cwt. on the spot, and February-March shipments at 20s. c.i.f. Dutch is quoted 22s, spot for fine quality. Sweet potato flour is 25s. 6d.

JALAP.—Good testing Vera Cruz root can be had at the easier price of 3s, per lb. on the spot.

Liquorice Juice.—Pure Italian block can be had at

135s. per cwt. on the spot.

MENTHOL was quoted throughout the week at 24s. to 24s. 6d. for Kobayashi-Suzuki, but on Wednesday 25s. was paid and buyers. There is evidently a temporary "squeeze" on the spot. owing to an unexpected development, of which sellers are taking advantage.

MERCURY has been in fair demand, and the tone of the market is about steady on the basis of 12l. 5s. to 12l. 10s. per bottle, although some sellers ask up to 12l. 15s. The American market has been firmer, recent quotations being \$45 to \$50 per flask. Advices state that second-hand 545 to 550 per hass. Advices state that the holdings have been already disposed of, and that the market is now well under the control of producers. The demand in America has improved, while producers are quite confident as to the future course of the market. It is reported that offers have been made by Italy to America on the basis of \$45 c.i.f. New York, at which, however, business so far has been hardly possible. The Italian production for 1919 was returned at 16,440 bottles, against 31.002 botles for the previous year, the proportion of the output of the Idria mines included in the total being about 8.900 bottles.

per lb.

of 20 MUDEHYD

OILS, FIXED.—A somewhat better trade demand is reported for Linseed, while a little more interest has been aroused in the market for raw material. There seems an idea that the position will show some improvement shortly, but consumers nevertheless continue reticent. The London spot prices close at 32l. naked and Hull at 30l. 58. Coconut is quiet and lower, Ceylon on the spot offering at 68l. per ton and shipment at 56l. Cochin is 59l. for shipment and 75l. on the spot. Soya is easier, Qriental for prompt shipment in cases selling at 27t. and barrels at 28t. per ton c.i.f. Ground-nut is inactive and lower, Oriental in cases offering at 40l. for January-March shipment. Crude English crushed is 37l. naked, and deodorised in barrels 58l., ex mill. Hankow Wood oil is lower at 60l. per ton spot and 58l. c.i.f. to arrive. Castor is lower at 48l. per ton for medicinal, 43l. for first pressing, and 381. for seconds, barrels included, ex mills Hull. Rape is nominal at 53*l*. for crude and 60*l*. net for refined, naked, ex mill. *Cotton* is firm at 31*l*. for Egyptian crude, 39l. naked, for common edible, and 49l. for deodorised in barrels, all net, ex mill.

barrels, all net, ex mill.

OPTUM.—In the absence of business the spot price is nominal at about 18s. per lb. for good Turkey druggists'.

SMYRNA, January 29.—The sales this week amount to thirty-seven cases, but for the three previous weeks we have had no sales to report. The prices paid for druggist manufacturing qualitics are from 12s. 6d. to 14s. 6d. per lb., as to quality. The exchange is to-day piastres 585 per pound sterling for cheque, and \$0.65 for one Turkish pound of 100 piastres. The arrivals are 1,151 cases, against 1,465 at same date last year. Our stock in first- and second-hands is now 1.138 cases. hands is now 1,138 cases.

PLATINUM is moderately active at 16l. per oz. Supplies on a small scale have gone to America from this side, and the demand there is slightly better, but not sufficient to affect the market, which has been lately at \$62 to \$65 per oz.

RHUBARB.—Importers are willing to accept lower prices, the sales including good heavy round and flat Shensi at about 7s. 6d. per lb.

SENEGA has shown slightly more demand for the Continent. Spot prices are from 4s. 9d. to 5s. per lb.

thent. Spot prices are from 48. 9a. to 5s. per 1b.

SHELLAG.—The spot market is steady, and it is said that
the usual standard TN Orange quality has buyers at 330s.,
sellers asking 340s, per cwt. Fine lemon is 425s., fine
second Orange 390s., pure button 360s., and AC cakey
375s. Futures are rather higher on balance, the sales
including March delivery at 255s, to 250s, to 265s., and
May at 220s. to 235s, to 225s.

SLIPPERY-ELM BARK.—The spot value is from 2s. to
2s. 2d. per lb., according to quality.

2s. 2d. per lb., according to quality.

Turpentine.—Buyers are more reserved than ever owing to the recent disclosures. Some withdrawals were made from the stocks recently, but these are still very heavy. Prices are weak and nominal at 80s. per cwt. for spot and to April delivery.

Vanilla.—Bourbon beans measuring 10/16 c.m. by 13 c.m. are cheaper to come forward, first quality being quoted at 10s. per lb.; seconds, 9s. 6d.; thirds, 9s. 3d.; and splits at 9s. c.i.f. American buyers have appeared on the French markets, where the position is somewhat firmer.

A later report from Madagascar states that the 1920 yield corresponds very much to that obtained in 1919. In the districts of Antalaha and Nossi-Bé the plants are in full bloom, and, should nothing unforeseen happen, the 1921 crop is likely to be considerable. This crop, however, does not appear on the market until September.

Wax, Vesetable.—Japanese is quiet and lower, with spot sellers at 100s. per cwt. Fatty grey Carnauba is 130s. and chalky 125s. per cwt.

Seeds and Spices.
Almonds.—Jordan are scarce at the moment, but some further shipments will be available shortly, although the remaining supplies in Spain are said to be small. Valencia are cheaper, and the lower prices appear to have stimulated the demand. Morocco are held for higher prices than buyers will pay

Anise is steady at 82s. 6d. per cwt. for Russian and 76s.

for Spanish.

Canary Seed is lower at 75s. for ordinary Morocco and 105s. for good. Spanish is also easier at 140s. to 160s. for medium to good bold.

CARAWAY SEED is rather easier at 32s. to 34s. per for fair to good Dutch on the spot.

CHILLIES and capsicums are quiet, but supplies as creasing, although mostly of indifferent quality, as it is thought that prices must be reduced there are

CLOVES.—Zanzibar continue quiet and easy, with s at from 10d. to 11d. per lb., and February-April ment at 8d. per lb. c.i.f. Penang and Amboyns slowly, some parcels of the former offering at low p but the quality is very poor. The London stor Zanzibar on February 7 was 4,216 bales, against 1 bales at the same period of 1920.

CORIANDER SEED is steady at 15s. to 16s. per cw sound Morocco and at 10s, to 11s. for wormy.

CUMIN SEED is lower at 20s. per cwt. for fair Moroc DILL SEED is quoted nominally 23s, per cwt. for Indian.

FENNEL SEED is steady at 37s. 6d. per cwt. for fair Indian.

FENUGREEK SEED is slow of sale at 9s. 6d. to 10s cwt. for fair to good Morocco, according to quantity. Linseed is lower at 25s. to 27s. 6d. per cwt. for

bold clean.

MAGE is cheaper, fair Singapore offering at 1s. ordinary at 11d., and pickings at from 8d. to 9d. pe NUTMEGS are quiet, Singapore and Penang being :

PEPPER.—Both black and white are slightly easie PEPPER.—Both black and white are slightly easi balance. Spot sales include fair black Singapore at to  $4\frac{1}{4}d$ . To arrive, January-March shipment has sold at  $4\frac{2}{8}d$  and February-April at  $4\frac{1}{2}d$ . c.i.f. Tellicherry is quoted on the spot at 5d., Lampo 5d., and Aleppy at  $4\frac{1}{2}d$ . White Muntok has been at  $8\frac{3}{4}d$ . For February-April and March-May ship business has been done at  $8\frac{1}{2}d$ . to  $8\frac{5}{8}d$ . c.i.f. Singapore has sellers at  $8\frac{1}{4}d$ . on the spot. To a February-April shipment is quoted at  $7\frac{3}{2}d$ . c.i.f. February-April shipment is quoted at 73d. c.i.f.

PIMENTO is easier, with spot sales at 3d. per lb. Turmeric is dull of sale, good Madras finger of

at 27s, per cwt.

### Pharmaceutical Chemicals.

The market continues very quiet, there being no of improvement. Prices of a number of products again been reduced by holders anxious to clear, and l are still in a position to dictate terms within r Among the reductions are acetanilide, chloral hy hydroquinone, phenazone, tannic acid, creosote carb sodium benzoate, terpin hydrate, citric acid, and cre As regards the new Dyestuffs Act, we under that the Customs officials are in possession of a p list of the chemicals prohibited from importation under licence, but at present they decline to mapublic. Acetanilide, resorcin, and salicylic acid at this list, and imports have been held up this weel porters being requested by the Customs to obtain a lin Aspirin and sodium salicylate do not appear to be a the prohibited products. Pending its official adoption publication the Customs refuse to say what is or w not on the list.

ACETANILIDE is weak and values have fallen to 2s. 3d., and it is possible to secure parcels at even figures. Licences are now required to import.

AMIDOPYRIN remains quoted at last week's figure per lb. and seems fairly steady.

Ammonium Bromide continues to be an unsettled in and parcels are offering at low figures, averaging 1s. per lb.

ASPIRIN.—B.P. quality can be had at 2s. 8d. per la less, but for finest make sales have been made 3s. 3d.

ATROPINE.—Sulphate is offered at about 358. p.o.

makers quoting 37s.

Barbitone is unchanged at 17s. to 18s. per lb. quiet market.

BENZONAPHTHOL is still unsteady, with offers ave from 9s. 6d. to 10s. per lb.

Boric Acto continues to be offered on spot al makers at 74s. per cwt. for crystals and 76s. for dered; demand is only small.

I L CHLORAL HYDRATE varies from 15s. to 24s. per lb. r ig to holder.

LACTATE continues quiet, with values unchanged

is o 3s. 3d. per lb. A SINE (Pure) is offered by makers at 31s. per lb., reels are offering at slightly less from dealers, viz.,

RAL HYDRATE is weak and offers are down to 5s. 3d.

a SAROBIN.—Makers quote 11s. per lb.
r c ACID.—There are still many parcels in weak
differing at from 2s. 2d. to 2s. 3d. per lb., less 5 per

OINE is steady at from 13s. to 13s. 6d. per oz. for regloride, with a fair demand. On the Contineprices than these have been paid to the makers. On the Continent

M OF TARTAR is lower, with 99 to 100 per cent. is offering at 150s, per cwt. c.i.f. in ton lots. Spot thad at 160s, per cwt.

E SOTE, B.P., keeps fairly steady on a quiet market t 53. per lb.
E SOTE CARBONATE is down to 188. 6d. to 198. per lb.,

RS.—B.P. acetic is quoted at from 6s. 3d. to 6 per lb., according to quantity, and butyric ether per lb.

TACOL CARBONATE continues very unsteady, with ms generally about 16s. 6d. to 17s. per lb.

EROPHOSPHATES are fairly steady, but competition The quality of French make, it is reported, leaves r improvement.

IF MINE is still very weak, offering at from 68, 6d, to p lb. NOQUINONE is slightly easier at 5s. 6d. to 6s. per lb.

a ull market. DIE is offered by makers at 18s. 4d. per lb. for

alned. TECHL SALICYLATE is still weak and unsteady, values againtained with difficulty at 2s. 9d. to 3s. per lb.

MEIYL SULPHONAL continues weak at the previously

ucl figure of 20s. per lb., with prices easy A FORMALDEHYDE remains unchanged at about 4s. per

in egs on a quiet market. ALDEHYDE continues at from 2s. 8d. to 2s. 9d. in cases, with practically no demand, and is

BACETIN is very weak, with values easy at about

AZONE.—Both French and German makers quote rates than second-hands in London offer at, the quoting from 98. 3d. to 98. 9d. per lb., and less for

DIPHTHALEIN has been in slightly increased demand, in antities selling at from 5s. 6d. to 6s. per lb.

AZINE is in little demand and is nominally about

o ssium Bromide continues extremely unsettled owing inued Continental cheap offerings, current prices from  $9\frac{1}{2}d$ . per lb. upwards, which shows a fall st week. Only limited business is being done. SSIUM SULPHOGUAIACOLATE, after the recent decline, a mewhat firmer tendency at from 10s. 6d. to 11s. 6d.

INE ETHYL CARBONATE can be had at 6s. 6d. per oz. s for quantity.

ERCIN appears to have steadied at 9s. to 10s. per lb. res not much demand, but further importation, exder licence, is restricted under the Dyestuffs Act. MARIN is extremely quiet. British make 550 pure field in bond by makers at from 17s. 6d. to 18s.

remains unchanged at last week's figures of 3s. 9d. 48 er lb., with the market remaining quiet.

SILR NITRATE.—The price of crystals on February 9 ded on a metal price of 37d. per oz. as follows: In n es of 25 oz., 2s. 4\frac{1}{4}d. per oz.; 50 oz., 2s. 3\frac{3}{4}d.; 500 oz., 2s. 2\frac{1}{4}d.

Sol M BENZOATE is lower on a dull market, now offer-als. 2d. to 2s. 4d. per lb.

Of M CACODYLATE is 22s. to 22s. 6d. per lb.

SODIUM DIETHYLBARBITURIC continues to be offered at about 25s. per lb., with very little business being done.

SODIUM SALICYLATE is unchanged from last week at 2s. 4d. per lb. for powder. Market is not firm.

SULPHONAL is steady at about 19s. 6d. to 20s. per lb. TANNIC ACID (LEVISS) remains dull, with values slightly easier at 5s. to 5s. 6d. per lb.

TARTARIC ACID is easier at from 1s. 11d. to 2s. per lb.

on the spot

TERPIN HYDRATE is a little lower and now obtainable at 4s. 9d. to 5s. per lb.; market remains very quiet.

THEOBROMINE-Pure is in slightly more demand at the easier rate of 24s. per lb.

THYMOL is nominally 32s. 6d. to 35s., but there is no demand.

### Heavy Chemicals.

February 9.

The few changes to record show a further downward tendency in values. The improvement looked for in the New Year has not materialised, and it is generally expected that conditions will not begin to improve until the spring. Export business seems to have fallen away altogether. Continental offerings continue to undercut the market.

ACETIC ACID is again showing up at a reduced figure; 80-per-cent. pure is 521. 10s. per ton; glacial, 98 per cent., is about 60l. per ton. Stocks are still on the market for which there is but small demand; values remain unsteady.

ALUM is offering in small lots of lump in casks at a slightly lower figure of 181. 10s. upwards from dealers, but there is very small demand.

ARSENIC is lifeless, with Cornish and Australian offering at about 55l. per ton nominally.

BARYTES remains nominal, no business being done. Grey is 6l. up to 10l. 10s. per ton, according to quality.

BLEACHING POWDER remains unchanged and quiet at 221. per ton in hardwood casks.

Borax is very quiet; spot and makers' prices (for home trade only) remain unchanged at (spot) 39l. per ton for crystals and 40l. for powdered; (makers') crystals, 38l.; powdered, 39l. per ton.

COPPER SULPHATE is still quoted by makers at 37l. and 381. in bags; there is but small demand.

EPSOM SALT is offering at about 7l. 10s. for small spot lots of commercial quality; the market is dull.

FORMALDEHYDE is still quoted at 1251. per ton, but prices are not steady and the market is quiet.

GLAUBER SALT is cheaper this week at about 71. per ton, imported stuff offering freely; the market is far from good.

LEAD ACETATE is again a little lower on a very quiet market, brown broken at 55l. and white crystals at 60l. per ton; stocks offering.

LEAD PRODUCTS.—In the latter part of last week red lead and litharge were again reduced by 3l. per for the home trade and export, and prices range from 401. to 42l. 10s. a ton, according to quantity. Dry white lead was lowered by 4l. 5s. a ton, the export price to British Colonies and Dependencies being 45*l*., while white lead in oil shows a reduction of 4*l*. 15*s*. at 52*l*. 10*s*. f.o.b. There has been some little improvement in the home-trade demand lately, a fair number of contracts having been booked both for white lead and red lead.

LIME ACETATE is quiet, with values inclined to fall a little; now offering at 22l. for 80-per-cent. grey and 32l. per ton for 92-per-cent, material. Liтнороме.—Red seal. 30 per cent., is slightly cheaper

at 311, to 321, per ton; green seal remains steady at 381, per ton. There is not much inquiry.

OXALIC ACID is very unsettled, with quotations round  $11\frac{1}{2}d$ . to 1s. per lb. A fair amount of business has been

POTASH CAUSTIC (88 to 92 per cent.) has fallen considerably and is now offering as low as 50%. per ton, but there

Potassium Bichromate is unsteady, with last week's price of 1s. 2d. per lb. weakening; makers' price now reduced to 1s. 1d. per lb.

TERREARY 1

per lb.

TEGREEN

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n 13s, to

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Ramburg

POTASSIUM CARBONATE (90 to 92 per cent.) is again easier for spot lots at 55l. per ton; the market continues neglected; makers' price remains at 50l.

POTASSIUM CHLORATE is not moving at all; spot lots

down to 6d. to 7d. per lb.; makers' price is 6d. per lb.

Potassium Permanganate is being asked for occasionally, and offered at 2s upwards for commercial quality; makers' price remains at 2s. 3d. per lb.

POTASSIUM PRUSSIATE is being offered but not taken up at 1s. 3d. for yellow and 2s. 6d. per lb. for red; makers' prices are 1s. 4d. for yellow and 2s. for red.

SALTCAKE remains at about the same figure, but the demand is poor and prices may ease off slightly from 12l. per ton in bulk f.o.b.; makers' price for home trade is unchanged at 9l. 10s. per ton.

Soda Ash (58 per cent. light alkali) is in fair demand for export for spot lots at about 10%, per ton in single bags f.o.b.; makers' price is maintained at 81. 10s. per ton.

Soda Crystals are unchanged, makers still quoting 71. per ton in single bags, carriage paid, for home trade only. A few spot lots offering at 8l. per ton, but there is no demand.

Soda Tartarata.—English makers quote B.P. powder granular in one-cwt. lots at 127s. per cwt. seidlitz at 102s. 3d. in cwt. lots, and commercial at 99s. 6d. per cwt.

SODIUM BICARBONATE is quiet, with values about the same as last week at 10%. 10%. per ton for refined material, and makers' price for home trade unchanged at 9%. per ton in 2-cwt. bags.

Sodium Bichromate is now quoted by makers at 10d. per lb., some spot lots offering as low as 8d. per lb., but there is not much demand. American material is offering for prompt shipment at 8d. per lb.

SODIUM CAUSTIC (70 to 72 per cent.) is offering for spot lots at about 22*l*, per ton f.o.b., but the demand is small; makers' price is maintained at 24*l*. 10*s*., American material offering c.i.f. at same figures. There is very little inquiry.

Sodium Cyanide continues unchanged at 1s. per lb. for 100-per-cent. basis; the market is very quiet; quotations by makers at this figure f.o.b.

SODIUM HYPOSULPHITE has fallen off in demand, and pea crystals are now offering in 1-cwt. kegs at about 26. 10s. per ton; commercial quality is freely offering at 201. per ton, but the demand is not good; makers' price for commercial is unchanged at 201. per ton.

Sodium Nitrate.—Refined 96 per cent. remains quoted by makers at 221. per ton f.o.r. Liverpool, but there is little business doing.

SODIUM NITRITE.—100 per cent. is still quoted by makers at 541. per ton; there is but small demand.

SODIUM PRUSSIATE is in slight demand; spot parcels continue to be offered at 9½d. per lb.; makers' price unchanged at 9d. per lb.

SODIUM SULPHIDE.—Concentrated 60 to 66 per cent. remains quoted by makers at last week's reduced figure of 30l. per ton; spot lots of 60 to 62 per cent. solid, in drums, offer at 30l. per ton.

SODIUM SULPHITE (ANHYDROUS) is nominal.

TIN CRYSTALS are unchanged at makers' price of 1s. 7d. per lb.

ZINC OXIDE.—In spite of the better German exchange noted of late, German competition continues active and prices have been rather in buyers' favour. White seal stands at 55l., green seal 50l., and red seal at about 45l. Zinc dust is exceedingly slow, but holders retain their terms, best English being called 70l, to 80l, per ton delivered, and best American at 70l, delivered.

COAL-TAR PRODUCTS.—Values in all instances are unchanged from last week and the market seems better toned. Business, however, still continues quiet. Aniline oil is 1s. 8d. per lb. and quiet. Aniline salt is 1s. 9d. per lb., with only small business, Beta naphthol remains quiet, with values steady at 2s. 3d. per lb. Paranitraniline is inclined to weaken at 6s. 6d. per lb.; market is dull. "H" acid remains unchanged and quiet at 9s. 6d. per lb. Toluol is unchanged and quiet, both for pure at 3s. 10d. and commercial at 3s. 6d. per gallon. Benzol remains steady at last week's figures of 3s. 4d. for pure and 3s.

for 90's. The market is not at all active. Solvent n seems steadier after the recent decline, and rems 2s. 8d. per gallon for 90 to 160 with quiet r. Creosote oil is weak, with values maintained at Creosote oil is weak, with values maintained at per lb. Carbolic-acid crystals are still unsettle various figures are quoted—from 8d. per lb. upwa makers' price of 9d. per lb. Cresylic acid is only indemand, with prices unchanged at 2s. 6d. per gal crude and 3s. 8d. for 97 to 99 per cent. Naphtha moving only slowly, with values fairly well main at last week's figures of 10l. to 18l. per ton for crude for crystals, and 39l. per ton for powder. Pitch 1 uncalled for and is nominally at 8l. 10s. per ton in Disinfectants are down from 3s. 9d. to 3s. per Disinfectants are down from 3s. 9d. to 3s. per this week.

### Essential Oils.

While some dealers take a more hopeful view this there seems to be only a limited demand, as consumexpect the decline in values to continue. Inquir numerous, but many of these appear to be made to t market rather than with a view to buying. have declined at the source, and this is not entire to the depreciation in exchange. Spot demand for bergamot, and orange is very light and prices are v East Indian oils are not in much reques although holders' quotations are unchanged for such as Ceylon cinnamon-leaf and lemongrass oils, b would be done at less. The fall in silver is he would be done at less. The lan in silver is a weakening effect on East Indian oils. Meantime, generally continue to decline, and among the which are lower are star anise, clove, Bourbon get Japanese mint, pennyroyal, and American peppermi Cananga and nutmeg oils are easier. Java cit Cananga and nutmeg oils are easier. Java cit palmarosa, patchouli, and Spanish rosemary oils slight decline. Sassafras, spike, and wormseed of weakened on spot, and the latter article and speoil are lower to come forward. Buying of synthetic cals seems to be spasmodic, and sales of some articl been made at under the current quotations. Au amyl salicylate, coumarin, heliotropine, methyl ar late, musk xylol, and vanillin show a decline on p figures.

ANISE STAR is quiet on the spot, and lower at per lb. Sales aggregating about 300 cases were ma week at up to 2s. 3d. c.i.f.

BERGAMOT is dull and weak on the spot at from 28s. per lb. for 37 to 38 l.a. Forward quotation also declined slightly, from 22s. 6d. to 24s. being the average.

CANANGA shows a further decline on the spot to 1

per lb.
Cassia.—The spot price of 80 to 85 per cent. c.a

per lb., and to arrive 4s. 3d. c.i.f. is quoted.
CINNAMON.—Ceylon leaf on spot is nominal at oz., but  $5\frac{1}{2}d$ . would be accepted.

CITRONELLA.—Ceylon is unchanged at 1s. 6d. p and Java is weaker in the absence of demand, per lb. being the nominal spot value.

Love.—English distilled on the spot is quoted

at 8s. per lb., less the usual discount

EUCALYPTUS.—For fair average quality B.P. oil per lb. would buy, but the higher cineol percenta are firmly held at 3s. spot.

GERANIUM.—Bourbon is lower on spot at fro to 28s, per lb. Algerian is nominal at 38s. There

much inquiry for either description.

Lemon.—Although some dealers refuse to quo than 4s. per lb. for spot, others would sell at Spot quotations are, however, very irregular, and less would probably buy in some directions. Recen from the source show a slight decline, and from to 3s. 10d. c.i.f. are given, although business is redown to 2s. 10d. c.i.f.

LEMONGRASS.—Cochin is dull and unchanged per oz. nominal.

LIME.—Distilled is weak and nominal at 38. 3s. 9d. per lb.

MINT.—Japanese dementholised is rather low 4s. 9d. per lb. on the spot for Kobayashi-Suzuk February-March shipment at 4s. 6d. c.i.f.

VUTMEG is weaker on spot at 8s. 9d. per lb.

DRANGE.—Sweet Sicilian is weak at from 15s. to 16s. Ib., and business has been done at under during the ek. To come forward is easier at 12s. 9d. to 15s. 3d. f

PALMAROSA.—Spot value for original pots is about 16s. 178. per lb. Broken bulk is being sold at 18s.
PATCHOULI is easier on the spot at 70s. to 72s. 6d.

PENNYROYAL is lower at 5s. 6d. per lb. for spot in round

PEPPERMINT.—American tin oil is lower at 30s, per lb. spot, and 28s is given as the forward quotation. 3.H. can be had at about 56s on the spot.

GOSEMARY is slightly easier on spot for Spanish at 9d. per lb. in drum lots up to 3s. 6d., according to ler. French of fair average quality is obtainable at m 5s. to 5s. 9d., although in some directions 6s. 9d. is price of tip-top oil.

JANDALWOOD. - West Indian (ol. amyris) is unchanged

the spot at 25s, per lb.

iASSAFRAS is easier on spot at from 10s. 3d. to 10s. 9d.

SPEARMINT.—Spot holders quote 45s. per lh. as the ce, but to come forward is easier at 35s. c.i.f.

SPIKE.—Spanish is easier on the spot at from 5s. 6d. · 1b. in drum lots to 68.

VINTERGREEN (SWEET BIRCH OIL).—The spot quotation maintained at from 33s. to 35s. per lb., and to come ward 32s. is given as the price.

VORMSEED is easier at from 35s. to 37s. 6d. per lb., but ward prices are considerably lower.

### Aromatic and Synthetic Chemicals.

LUBEPINE is obtainable at 20%. per lb. spot for water te, and 17s. for straw-coloured. AMYL SALICITATE is ted variously at from 7s. to 9s. per lb. BROMSTYROL veaker on spot at 15s. per lb. Coumarin on the spot is er at 13s. to 14s. per lb. Heliotropine is easier at t to 15s. per lb. for spot. Methyl Anthranilate is er at 15s. to 16s. per lb. Musk Xylol is lower, with t sellers at 25s. to 26s. per lb. Vanillin is lower at per lb. for spot.

### Hamburg Drug and Chemical Markets.

Hamburg, February 5. decline in prices already foreshadowed in December inues to make further progress. The wave of lowered pes, which hegan with American raw materials and products of the soil, is gradually penetrating into all the cells our economic organism; it is being acutely felt in the wlesale trade, and should soon become apparent in the will trade and in the shop-windows. The middle and the pressional classes, who have more than any others been opelled to practise the strictest economy, will now be a to emerge from their alcofness, and will appear again burchasers after a long absence. The period of wild uses in prices is now over in Germany as well as elsewer, and the madness which permitted natural products, as a scotton and coffee, to be used as fuel in order to mutain prices, or to hring about a rise in price, while mions of people are clamouring for a taste of coffee, and had dreds of thousands have not got a shirt to their backs, a apparently worked itself out. As was the case with is, outsiders have also hurnt their fingers when specualty on the rate of exchange. The craze for speculating a diminished, and this fact has also led to an improvent in the value of the mark; however, one scarcely dares to meet actual recuirements free from any group and the case with theses to meet actual recuirements free from any group and the case with theses to meet actual recuirements free from any group and the case with theses to meet actual recuirements free from any group and the case with theses to meet actual recuirements from from any group and the case with the case of the mark; however, one scarcely dares to meet actual recuirements from from any group and the case with the control of the mark; the proven any group and the case with the case of the mark decline in prices already foreshadowed in December on any for drugs now assumes the aspect of normal brown of nany for drugs now assumes the aspect of normal brown of the contraction of the contract of normal brown of the contract of the con

er cent. pure.

MANET Roor is unchanged at m.18 in the absence of feign orders. LEAM PERU is unchanged at m.400, in consequence of mallness of the stock and the absence of fresh supplies. NZALDEHYDE, almost free from chlorine, for foodstuffs, at again declined to m.45; for orders of 1,000 kilos. the

nt again declined to m.45, for orders of 2,500 mess m.40.

NZOIC ACID has declined to m.45, which is below mers' price.

ICKTHORN BARK.—There are no large orders for export: of ed at m.11 for whole and m.12 for cut.

CAFFEINE.—Only small amounts of pure have been ordered of late, and the price has declined to m.925; supplies are

CITRIC ACID has been largely sold for export. Never-tbeless, the price has declined to m.70 for inland and to m.75 for export.

COUMARIN.—Speculators have attempted to hring about a se, in which they have signally failed. The price is

CREAM OF TARTAR (98 to 100 per cent.).—Large quantities have been sold for export. The price has, however, declined to m.33 for Germany and to m.35 for export.

GENTIAN.—Red has declined to m.12.50 in consequence of

greater supplies on offer.
GLYCERIN.—A continued brisk demand has further depleted the available stocks, so that m.34 is being willingly HELIOTROPINE is only sporadically in demand, and has

declined to m.400.

Hypastis.—Genuine Canadian is obtainable in small quantities at m.1.100, gross for net, for orders of over 25 kilos., a\*m.1.075 per kilo. Recently the demand has been fairly brisk.

HYDROQUINONE is quiet and easier at m.130 per kilo.
LAVENDER OIL.—French is scarce at m.900.
LYCOPODIUM.—Genuine is in brisk demand, but small quantities only are available at m.450 per kilo. for prime double sifted.

double sifted.

MENTHOL.—Spot stocks are low and command m.750.

Later deliveries can be effected at the rate of m.675.

MILK SUGAR.—Ph.G.V. quality has declined to m.28.

OXALIC ACID has been in fair demand at m.26 per kilo.

PEPSIN has recently not beeu in demand, and the price has declined to m.70.

PHENACETIN.—Large stocks reduced the value to m.225 per

PHENAZONE is wanted for export at m.325 per kilo.
PHENOLPHTHALEIN is tending easier to m.100 per kilo.
owing to fair sized stocks.

### Port of London Charges.

THE Port of London Authority and Association of Public Wharfingers give notice that the increase on warehouse charges made on May 10, 1920, to 150 per cent. has been reduced to 125 per cent.

### Chemicals in the New Key Industries Bill.

THE Chemical and Dyestuff Traders' Association understands that no final decision has yet been come to by the Cabinet as to the provisions of the proposed Key Industries Bill. There is, however, no intention in any case to include beary chemicals within the scope of the Bill, and even in the case of fine chemicals the probability is that the measure will be limited to certain classes of pharmaceutical products.

FRENCH LAVENDER FAIR.—With the object of dealing without middlemen the distillers of lavender oil and other flower essences of the Basses Alpes are holding a sample fair on February 12 at Digne.

EUCALYPTUS OIL DEPUTATION.—On December 8 a deputation representing 121 eucalyptus-oil distillers was received by the State of Victoria treasurer, Mr. McPherson, to whom it was suggested that a compulsory eucalyptus-oil pool be formed and that the State should also make an advance against the oil. Mr. Pennington, M.L.A., who introduced the deputation, said that a New South Wales firm practically controlled the industry, and the impression of the distillers was that this firm was trying to "corner" the oil. They alleged that the firm had brought the price down so low that the return no longer paid the cost of production. It was pointed out that when two firms were competing for the oil the price had been 1s. 10d., and this had dropped, since one firm had bought the other out, to 1s. 1d. The deputation believed that from 85 to 90 per cent. of the distillers would come into the compulsory pool if the State would finance it. Mr. McPherson said he did not think that the State could enforce a compulsory pool. It seemed very desirable that there should be a control plant where the oil could be refined and graded. The Ministry might be able to help the distillers with that. Any advance could only be made after very careful inquiries. He suggested that they form an association among themselves and do their own shipping direct through a reputable firm. If they would formulate proposals these would receive very sympathetic con-



Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

### Qualified Assistants' Remuneration.

Sir,—"Sine Ira" and "Q. A.'s" letters (C. & D., February 5, p. 78) are very useful answers to "Nil Desperandum" and "Observer" (C. & D., January 29, p. 78). It would be interesting to hear from chemists, leth term and country whether both town and country, what

(1) Percentage the purchases bear to the turnover.

(2) Percentage the total expenses bear to the turnover. (3) Percentage the net profit bears to the turnover.

(4) Percentage the rent, rates, and taxes bear to the turnover.

(5) Percentage the wages bear to the turnover.(6) What stock should a chemist keep in relation to

It would be interesting to hear in what way the total expenses are made up, and the replies, being anonymous, would not disclose private business. The correspondents should state whether town or country businesses.

Yours faithfully, Welshman (5/2).

SIR,—The letters of "Observer" and "Nil Desperandum" in the C. & D., January 29, and also the replies on February 5, raise questions of great importance and interest they received. interest to masters and assistants, especially at a time when one of the objects of the Retail Pharmacists' Union goods and services. With the exception of an average of 2s. 8d. for each prescription, I think "Sine Ira" has given a fair reply to "Observer." I suggest that the questions put by "Observer "should be referred to for a work of the chiral than the questions put by "Observer bound be referred to for work of the chiral than the control that the questions put by "Observer "should be referred to for work of the chiral than the control than the control than the chiral than the control than the control than the chiral than the control than the chiral than the control than the chiral than th week or two, thus giving those who are willing to supply information a chance of making practical records of an actual week's work. They need not trouble you with letters, but facts on which future correspondence can be based. What is more, there would be no disclosure of names, location, or private business.

Yours faithfully, J. A. Y. (8/2).

SIR,—"Q. A.," in his letter (C. & D., February 5, p. 78), infers that I begrudge 260l. per annum for a qualified man. I certainly do not. My point is that the average business cannot stand it, and, personally, I cannot afford it. I have engaged an ex-Service man. unqualified, for 3l. 10s., which is the maximum my business will allow. I maintain that these young men, newly qualified, with practically no experience are asking newly qualified, with practically no experience, are asking too much. I apologise to "Q. A." for being such a poor business man, and for having 2,000% invested in my business. I would advise such a theoretically capable man as himself (if not already on his own account) to try to buy a business with a turnover of 3,000*l*. for 1,000. There are plenty advertised which can "easily be doubled." If he is already on his own account, would he like to sell such a business on the same terms? I think not As for buying one for 1,000. which would pay a qualified manager and leave 2001. over per annum, all I can say is, "He would be extremely lucky."

Yours truly, NIL DESPERANDUM (9/2).

SIR.—The statements of "Observer," and "Nil Desperandum" that the trade cannot pay 51, per week for qualified assistance are not very convincing. I find on inquiry that 67, to 77, and more, per week is still being paid to reliable, experienced, qualified men, according to position, etc., and the post-war product—the "qualified improver"—is getting from 31. 10s. to 51., according to his ability and the patriotism of his employer. Owing to about four and a-half years of Arn service, and the death of my old employer, I habeen compelled to take a berth as assistant—not at 56 I followed a 4. 10s. man with 6l., which was recent increased to 6l. 10s., and I earn it. The governor semi-retired, and puts in about twenty hours a wee and I do about 90 per cent, of the whole business. I and I do about 90 per cent. of the whole bushess. It takes 500%, per annum and I take 338%. Will "Observer or "Nil Desperandum" kindly state why I should n have the 500%, per annum? There is not work for to qualified men under fifty years of age in the avera 3,000%, business—one must be underpaid, and if employed. ment is to be found for the men in pharmacy to-d pharmacies must expand into "chemists' shops'" a "chemists' shops" into "general drug-stores." T average experienced assistant in the average busine if properly and fully employed, can earn 97, to 1 net per week at present prices.

Yours faithfully, ХХтн Гоот (9/2).

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### Easton's Syrup Tablets.

SIR,—In making analyses of various makes of Easter syrup tablets I have found that several formulas are syrup tablets I have found that several formulas are use, which seems to suggest that various construction are put upon the B.P. requirement of "one grain anhydrous ferrous phosphate." As I understand the quirement, the equivalent of one grain of anhydromatic ferrous phosphate means one grain of Fe<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>. From considerations of the molecular weight one grain of the substance is equivalent to nearly 0.47 grain of iron.

Fe3(PO4)2. 168 + 192168 = 0.47360 360

Now, in the B.P. formula for the syrup-

8.6 grams 

—the amount of quinine in each dose is 0.80 grain; amount of iron is obtained thus: 14.8:8.6:0.80; when x is found to be nearly 0.47 grain, which bears my contention. Now, most makers use ferri phos. of B.P. 1898, and I have examined some tablets which approximately a to contain only one grain of this substance. The B. 1898, states that the official ferri phos. is composed about 47 per cent. of hydrated ferrous phospha Fe<sub>3</sub>(PO<sub>4</sub>)<sub>2</sub>8H<sub>2</sub>O, with ferric phosphate and ferric oxi Evidently, then, more than one grain will be required furnish 0.47 grain of iron, unless the amount of fer oxide preponderates, which I do not think is the ca I have not been able to find any data as to the act amount of iron contained in ferri phos., B.P. 1898. assuming the substance to be chiefly ferrous and fer phosphates, I reckon it to be about 35 per cent. The equivalent of one grain of anhydrous ferrous ph phate would be contained in, roughly,  $1\frac{1}{3}$  grain of fe phos., B.P. 1898. The following formula, given for thablets in the B.P.C., appears to me to show anot conception:

Iron phosphate, B.P '98 ... 19.44 grams Struchnine ... 0.20 gram Quinine sulphate 5.18 grams

Here, if 5.18 corresponds to  $\frac{4}{5}$  grain of quin. sul 19.44 corresponds to 3 grains of terri phos. Thus. appears on this reckoning that only the iron in the ferr state is taken account of, and in this case 3 gr-would be needed, as this amount would contain one gr-of anhydrous ferrous phosphate. Still, again, Burrous Wellcome & Co.'s tabloids are very large (about 11 gra form of soluble ferric phosphate, and as this substate contains only about 12 per cent. of iron, about 4 grawould be necessary to get in 0.47 grain of iron, whiseems to account for the large tablet. I should be pleatify you could give me any information as to what examples to the second of the s if you could give me any information as to what exact is intended. Yours faithfully,

C. EDWARDS (Ph.C. Southsea.

Anthrax in Shaving-brushes.

me,—Our attention has been arrested by an article the above subject in the C. & D., February 5, p. 47.

has been written on the dangers of anthrax in cheap orted shaving-brushes. The authorities have made strail attempts to safeguard the public from the fatal relts attending infection with this terrible disease. The months after an Order in Council, prohibiting the Taye months after an order in Council, promising the rortation of Japanese shaving-brushes, we learn that t shopkeeper may, or may not, according to his wishes, (destroy his stock of Japanese shaving-brushes; (b) reth them to the wholesaler from whom purchased; (c) distinct them to the wholesaler from whom purchased; (c) distinct them to the wholesaler from whom purchased; (c) distinct them to the wholesaler from whom purchased; (d) distinct the wholesaler from whom purchased; (e) distinct the wholesaler from whom purchased; (d) distinct the wholesaler from whom purchased; (e) distinct the wholesaler from the wholesaler from the wholesaler from the wholesaler from t ret them, by a doubtful process, which the authorities a unable to state is effective. Each of the above rnatives is taking for granted that the shopper can recognise a Japanese shaving-brush sees one, which is extremely doubtful. when They not marked with the country of origin, and their to only path of safety for the public is to depend on one, but to take steps to safeguard themselves. This easily be accomplished by a point-blank refusal to buy brush that is not clearly marked "British made," when buying brushes to insist on "British made" Buying foreign shaving-brushes usually means bing trouble. As manufacturers of some repute, we a in a position to recognise the worthlessness of foreign and a postune to recognise the workinessness of foreign adding-brushes owing to the enormous quantity sent to un the course of a year "for repair," which usually mus remaking, during which process are exposed the musubterfuges and fakes foisted on an unwitting public a acted by low prices. Brush-making is one of the cest industries of this country, and is well able to British people with all the brushes they require if th public will realise that the lowest-priced article is not allys the cheapest.

st. Yours faithfully, T. W. Culmer & Sons.

olloway, London, N. 7.

The Chemist's Carboy.

R,-The chemist's carboy is a delightful ornament and a tion to a pharmacist's window, but only if the colours a quite bright. At 50 Wigmore Street we had six that binged to the late Charles Croyden and were filled at 1832; the colours were beautiful. Unfortunately, th stoppers had got so fast it was impossible to loosen One fine day the sun burst two, causing a nasty m; we therefore removed the remainder. One is still ominent ornament at the top of a projecting fitting, nee in the form of Delft, Italian, Spanish, and Engine pots and jars with inscriptions are not only ornamtal, but actual business-pullers; I would even go so is as to say better than many proprietaries usually disof ed. I have model incidences, and incidences, of ots at very satisfactory prices.

Faithfully yours,

John D. Marshall. pled. I have made many customers by having and siving a collection, and incidentally sold a large number

Dangerous Drugs Act Regulations. R,-Paragraph 8 of the Irish Pharmaceutical Society's

p est to the Home Secretary (C. & D., February 5, 2, 4) raises a new aspect of the Dangerous Drugs Act Rulations. I, in common, I believe, with most other promacists, had considered that when a scheduled drug with the invadiant and so diluted one w mixed with other ingredients and so diluted as to cde below the specified percentage of active ingredient iche completed medicament, it was outside the Regulatics. It now appears possible that the percentage applies by to the scheduled ingredient; if this is the case, the m ber of prescriptions and preparations which will be af ted will be illimitable, and the sooner the Regulations ar blocked the better for all concerned.

Yours faithfully, DAN G. ROUS (19/9).

Supply of Glaxo.

R,—The Dover Town Council (C. & D., February 5, P. 7) seem to have missed the point regarding the runical supply of Glaxo. The Mayor is reported to have in ired the price of Glaxo as supplied locally, presumably

show that their price was higher than that of the Welfare supply. The price was higher than that of the Welfare supply. The price of Glaxo as sold retail is 5s. for 20 oz., or 4s. a lb., and on best terms it costs just over 3s. a lb., while some of the Welfare Centres are doing it at 2s. 4d. a lb., or less than we can buy it at. But the point is this, that the Council took no account of the wages, rent, rates and taxes of the municipal concern, all of which are paid by the local ratepayers, and which if added on to the amount charged would cause it to assume a very different proportion.

Yours faithfully, DOVERTAN (7/1).

### The Chemist's Title.

SIR,—I was much interested in the remarks of "Xrayser II." (C. & D., February 5, p. 63) as to the desirability of admitting all registered persons to the title of pharma-It has always seemed to me someceutical chemists. thing of an anomaly that there should be two classes of persons licensed to practise pharmacy. Now that the name "Minor" has been changed to "Qualifying" examination, it seems only reasonable that all persons passing this examination should be styled "pharmaceutical herists." passing this examination should be styled "pharmaceutical chemists." I am quite sure the public make no distinction between "pharmaceutical chemist," "chemist and druggist," "pharmacist," "dispensing chemist," etc.; they are all just chemists. At the same time I certainly think that all those who have gone to the trouble and expense of passing the "Major" should be recognized by the state of the same time? nised. Whether a fellowship in pharmacy would be practicable or not I cannot say; but certainly the "Major," as at present constituted, is neither one thing nor the other. It is not in touch with the ordinary routine of a chemist's business, nor is it of a sufficiently practical nature to serve as a basis for food and drug analysis.

Yours, etc., B. G. Hough.

### The Chemist's Dress.

SIR,-" Irish Apothecary" wants to draw me into argument; my time is much too occupied and the matter not ment; my time is much too occupied and the matter not sufficiently important, so that I must decline. I would, however, like to say that most dentists do wear clean overalls or jackets; their operating room is also the consulting room. The whole pharmacy at Wigmore Street is practically "front counter," every operation being in full view of clients. The grocer has copied our overalls, and I fear we cannot stop him, even did we desire. For the rest, I commend "Irish Apothecary" to read the letter of Mr. Septimus Walgate, with whom I am in full accord.

Faithfully yours,

JOHN D. MARSHALL

50 Wigmore Street, London, W. 1.

### Topical Matters.

SIR,—It is a significant sign, and I hope a promising one, that a large amount of your correspondence is devoted to details of the pharmacist's business which, in the past, have largely been ignored or taken for granted by retailers, each being a law to himself, or often having no laws at all; such an exchange of views cannot but do good and enlarge the retail chemist's somewhat narrow outlook.

In the current number of the C. & D. I note that there are letters dealing with "The Chemist's Carboy," "The Chemist's Dress," "Hints to Manufacturers," and "Qualified Assistants' Remuneration," all of which details are important parts of our business, although not often discussed. I have always thought that the tendency to do away with the carboy was a mistake from one point of view; it is, and has been for many years, the guiding light for the public to the pharmacist's premises, and it is a pity to do away with it. If the old-fashioned carboy is too large and cumbrous for the modern window, which generally runs up much higher than the old style, there is no reason why some form of new design like the hanging carboy should not be utilised. The modern window is, and can be made, a good business bringer, but there is the chance of overdoing it, and the effect then is so "toy shoppy" (if I may coin the word) that the public fail to notice it as a chemist's and look for the old coloured lights when they want their drugs. The

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Window

chemist's dress is largely in these days a matter of one's own choice; so long as one is cleau and neat I do not think the public take much notice of the cut of one's clothes, whether lounge, frock, or swallow-tail; an overall is undoubtedly a saver of suits, but I think the average customer looks on a man who comes forward in a light-coloured overall as one of the workmen or porters from the back shop and not as the pharmacist of bis imagination, whom he generally pictures, by reason of his training and profession, as a little different from the ordinary sbop-keeper and one to whom he can look for advice in his minor ailments. Personally, I do not wear overalls, not because I do not desire to save my clothes, but because I find that they cramp my movements and get in my way when busy; I always feel as though I were working in my top-coat. The "Hints to Mannfacturers" idea is a good one and might be developed a lot more; the present correspondence has dealt with labelling proprietaries, but there are many other suggestions which retailers could put forward to be adopted for the conffort and ease in working of all concerned. Unfortunately, the manufacturer in this country is too often tarred with the manufacturer in this country is too often tarred with the brush of British commerce everywhere, "You have got to buy what I make, and not what you want." The remuneration of assistants is perhaps the keenest discussion of all, for the simple reason that it directly touches the root of all things—£ s. d. I think it will be admitted as an axiom by all employers and assistants alike that to pay a qualified pharmacist a wage of from 41, to 51. a week is a disgrace, taking the present cost of living into consideration; so that the proposition resolves itself into whether the business can afford to pay a decent salary or not. It must be granted that, as your correspondent "Q. A." points out, a great many pharmacists do not get the full working value out of the capital invested, although I would not go quite so for in my former as the although I would not go quite so far in my figures as he does, as there are a great many lines which cannot be turned over rapidly owing to the nature of the business. Take drugs alone; it is imperative to carry a full range of these. Many are not often called for, but are bound to be kept in stock in case a script is presented ordering them; and the same applies to surgical sundries and so on, and if "Q. A." has had much experience in costing up stock-books he will know what an amount can be invested in this way. Taking "Sine Ira's" figures as to cost of prescriptions, the 175 scripts at 231, 98, 10½d. average about 28, 8d. a script, which I should say was high even in these days; but taking it as correct, he allows the employer 4l. 88, 1d. as salary and profit while the assistant gets 5l. 0s. 6½d., which is reversing the order of affairs. If this were carried out in all departments the assistant would be doing much better than the owner, without any of the worry, risk, or investment of capital. The trouble is that pharmacists still think and deal in halfpennies and fix their prices according to what they think their opponents would charge, instead of organising and fixing a scale of fees to be charged by all alike and so getting paid professionally. If your original correspondents "Nil Desperandum" and "Observer" would try giving an assistant a minimum wage and a percentage of increased profits they would probably find it worked well and to their mutual advantage and satisfaction. Yours faithfully

Conspectus (4 1).
Distress in Austria.

Referring to the appeals for medical requisites for the Arstrian hospitals and institutions which were sent by Miss A. Lauder Brunton to Squire & Sous, Ltd. (C. & D., I., 1920, p. 736, and II., 1920, p. 1650), we have received from Messrs. Squire a report on the way the articles have been employed. Through the generosity of English chemists and English and Irish people the hospitals in Austria have been helped to the extent of 3.083l. Among those who sent supplies are Squire & Sous, Ltd.; Mr. C. M. Holmes (Clapton); Allen & Hanburys, Ltd.; J. F. Macfarlan & Co.; Burroughs Wellcome & Co.; The British Drug Houses, Ltd.; and Boots, Ltd. Miss Lauder Brunton, of the Friends' Relief Mission, 16 Singerstrasse, Vienna, in thanking all those who have helped, adds: "Magnificent as is the help that has been given, it will still be needed during the coming winter."

### Legal Queries.

.4spirin (31/1).—Salt of lemon is one of the poison within the meaning of Section 5 of the Poisons and Ph macy Act, 1908, and must be labelled "Poisonous," a with the uame and address of the seller. Ipecacuar wine contains a poisonous vegetable akkaloid, and is Part II. of the Poisons Schedule.

Beno (1/2) ordered goods from a wholesale firm "c riage paid." The goods were despatched by carriers a were lost in transit. The carriers have offered to pay the other half. Is he liable to do so? [As a riafter goods have been handed to a carrier for conveya to the buyer they become the property of the buyer, we is liable to pay for them, and if the goods are damagor lost in transit the remedy of the buyer is against carrier only. In the case stated the main questions whether the sellers made a reasonable contract with carriers, and whether they were justified in adopting the particular mode of couveyance. The answers to the questions depend upon the facts; but assuming that answers are in the affirmative, "Beno" is liable to for the goods and must, if necessary, take proceeding against the carriers for damages in respect of their karriers, on the other hand, the suppliers were not justified despatching the goods in the manner adopted, the loss madall noon them, and "Beno" is not liable to pay apprice.]

B. P. (28 1) asks if it is legal, and, if so, what st should be taken to put money, up to 40%, per annum, the name of a child under sixteen years of age, with a v to reclaiming income-tax on the dividends payable to would in such a case be entitled to claim the child's all ance of 36l. or 27l. in making his own return for inco tax. He also asks what is the position of bearer both. [There is nothing to prevent a gift by a parent to a clof an annuity of 401. This may be done either by inv ing in the child's name the sum necessary to bring in the amount, or the father can bind himself to pay the annu Where the latter course is followed, the instrument of ought to be carefully drawn if very heavy stamp-du are to be avoided. If the annuity is paid by the par income-tax ought to be deducted at the rate of 6s. in E on each payment being made to the child, and amount so deducted paid over by the parent to iucome-tax authorities. The child can then reclaim by from the Revenue the income-tax so deducted and parent to the child can then reclaim by from the Revenue the income-tax so deducted and parents of the shill can still be defined by The allowance in respect of the child can still be claim by "B. P." in making his own income-tax return. this is grauted in any case in which the independing one of a child does not exceed 40l. The peculiar of bearer bonds is that they can be transferred by delive from hand to hand without any formal deed of g Income-tax is deducted from the amount of each conas paid.]

### Retrospect of Fifty Years Age Reprinted from "The Chemist and Druggist," Feb. 15. 18;

### Business Habits.

Our offer of a prize for the best essay on "Busi Habits" has produced a handsome competition, note much in the number as in the quality of those sent in have read at least half of the essays with extreme please and to any of the first six we should have seen the please awarded with the most perfect satisfaction. Three germen of literary pursuits were kind euough to take the sponsibility of decision from us, and with regard to prize their award was unanimous. We believe that rest of the competitors will be the first to admit the lite y excellence and ingenious method of treatment displayent the prize essay. The author of it is Mr. F. Baden Berr, of Manchester, and the motto under which it reached was "Con Amore."

# Stopping Looking

### & Buying

That's what a windowshow should do, and if it doesn't-well-to use a phrase reminiscent of Army days—it's just a "wash-out," that's all! And for those kind of displays neither you nor ourselves have any use. When the "We Three" Zepto display is on view in a suitable position—they stop; they look; and they do come in to buy Zepto Pencils, whilst it is really your fault if you cannot persuade them to your tooth-paste, tooth-powder, toothbrush, or mouth-wash with it. Yes, a Zepto show is a "Business-compeller" anywhere and pays a big rent for the window-space occupied.

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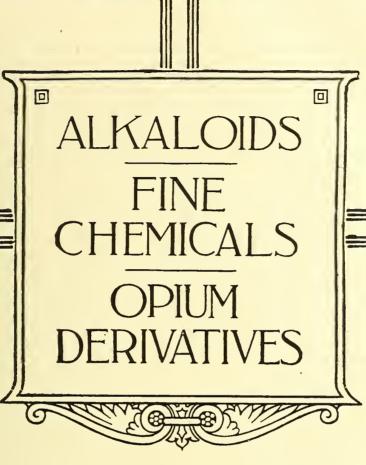
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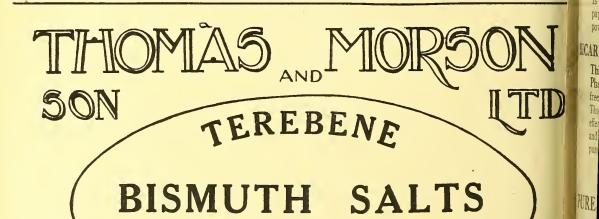
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120	Cstal or Powder 99%	70	-			LIQUORICE COMP. "B.P."	-	1, 4½	1:5	1,63
	Ligated	78 -	80 -	82,'-	10d.	PERMANGANATE OF POTASH "B.P."			3-	3/3 lb.
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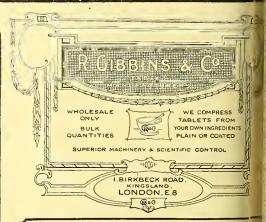
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1/- Browning's Anti-Insect Crear	n 1/-	8/-
T. Kerfoot & Co's., Ltd., Prepa	rations:	
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2/- ,, ,, ,,	2/-	16/-
10½ d. Dr. Beresford's Liver Salts	. 10½d.	7:/

RETAILERS can greatly assist the usefulness of the P.A.T.A. by urging Manufacturers who have not yet placed their leading lines on the Frotected List to get into communication with the Secretary.



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The whole of this trade is awaiting you, but let the public know you stock it. Display Snowfire well—it will pay you.

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CELL some doubtful nostrum—and lose the confidence of your customers? Or, recommend an honest remedy which you know will give satisfaction?

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The following letter is from-

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# Musterole Breaks up Colds and Relieves Pains.

Tell your customers that Miller's Musterole is a quick and efficient remedy to stave off a cold or to relieve bruises, pains, sprains, sore muscles, etc. This external remedy hardly ever fails to bring quick relief.

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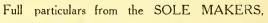


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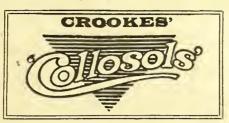
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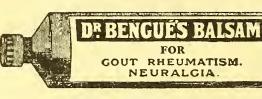
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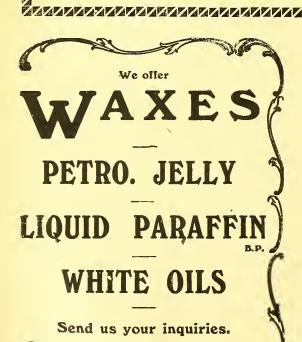
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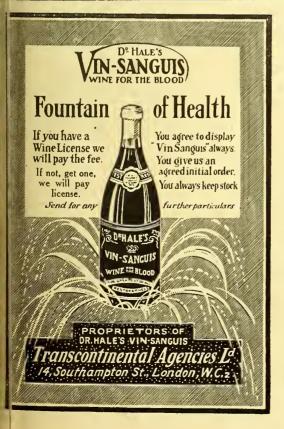
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# OSTROS The Great British Aperient Water

Trade Terms, Now ... ... 22/- per dozen bottles, Carriage Paid

Retail Price, Now ... 26 per bottle (P.A.T.A.)

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# Vinum Xericum

BUTTS. 108 galls. HOGSHEADS. 54 galls. QR. CASKS. 27 galls.

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The Medical Profession are recommending VITMAR for delicate Children and Invalids. If you do not yet stock it your wholesaler will supply you.

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# Why Doctors prefer VIROLAX to the ordinary Laxatives

DOCTORS know the risk of overloading the system in cases of irregularity. Bulky food when not digested is apt to aggravate the trouble and so increase the growth of bacteria in the bowel. This danger is avoided by Virolax, which is an effective Laxative, and supplies essential nourishment in a light, compact, and easily digestible form. Mere purgatives tend to weaken the system still further, but Virolax strengthens the organs while cleansing them.

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Virolax is packed in 4 oz. and 16 oz. tins at 1/- and 2/8, and is supplied to the Trade in one dozen boxes at 10/- and 27/- per dozen. Terms: £3 orders carriage paid, less 5%. On orders over £5 an extra discount of 5% is allowed on condition that window display is made. These terms will also apply to combined orders for Virol and Virolax to the value of £3 and £5.

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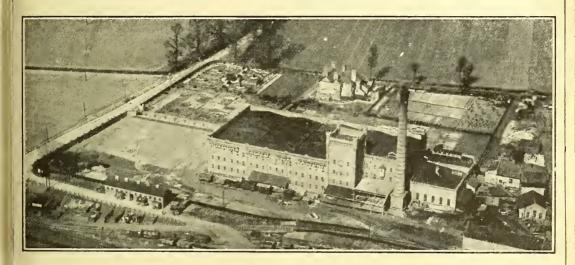


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THE ORIGINAL



An aerial view of the works at Slough, Buckingham, England, where all the

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Supplied in Great Britain is Produced.

PRICE PROTECTED

2/-, 3/6, 15/-

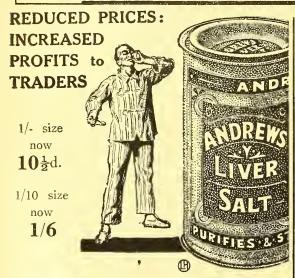
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### HORLICK'S MALTED MILK CO.

SLOUGH, BUCKS, ENGLAND.

(Sir James Horlick, Bart., President.)





From January 29, 1921, Andrews' is down to  $10\frac{1}{2}$ d, in the small size, 1/6 large; from that date also Retailers and Wholesalers get a larger Profit margin.

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(Can be sold by Chemists without Licence)

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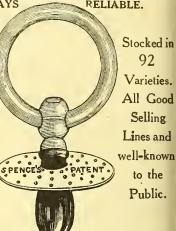
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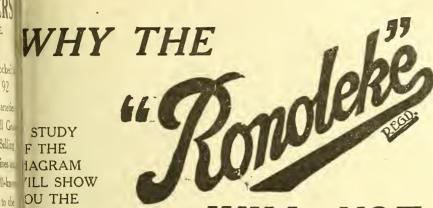
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Hot Water **Bottle** 

WILL NOT LEAK

Rounded FLANGE

**DVANTAGES** 

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of screw top engaging . . with .

ON ACCOUNT OF THIS ONE FEATURE ALONE THE "RONOLEKE" WILL OUTLAST THREE ORGINARY HOT WATER BOTTLES

Rubber FLANGE at base of funnel. This 3/16 inch flange of built-up rubber acts as a washer, but is far more durable.

Wide METAL FLANGE of socket embedded in built-up rubber.

Aperture at base of funnel. This makes the funnel a real funnel. There is no water left after filling.

Projecting LUGS of patent socket embedded in built-up rubber, preventing the socket from revolving when tightening up or removing screw top.

Built-up RUBBER firmly joined to body of bottle, so that not a particle of water can leak through. It holds socket securely in pos-I ition without wiring.

The "Ronoleke" is the only perfect waterlight hot water bottle. Sold by all leading Druggists' Sundriesmen.

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PLASTERS. THE ORIGINAL. THE ONLY GENUINE.

7d., 1/- & 1/7 Packets 5/3, 9/-, 14/3 per Doz.

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NGRAM'S High Grade "Eclipse" Brand Rubber Hot Water Bottles are well known throughout the world for their reliability and construction; they have, as a result of the careful scientific manufacture, the distinct advantage of being suitable for use in any climate.

ALL "Eclipse" Bottles are now fitted with two important inventions: The Patent Rubber Covered Screw Stopper (No. 107940) and The Patent Constructed Neck (No. 118022).

The object of the Patent Rubber Covered Screw Stopper is to overcome the loss of washer and leakage. A glance at Fig. 1 shows the sectional view, the black solid parts representing the rubber covering gripping (1) the brass flange making it a fixture, so that no loss of washer is possible, the broad solid seating (2) when the stopper is screwed down renders it Absolutely Watertight. The effectiveness of the Patent Constructed Neck can be clearly seen by a comparison of Figs. 2 & 3. In addition to overcoming the old trouble of leaky necks, the new formation of the socket enables the bottle to be easily filled and without any fear of "splashing."

The socket is also secured from working loose by an ingenious method, the rubber being connected in sections right through the brass socket, forming the neck and socket into one solid piece.



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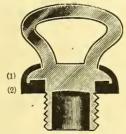
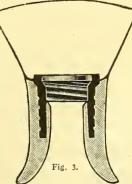


Fig. 1. Patent No. 107940

Sizes, inches— ,  $10\times6$   $10\times8$   $12\times6$   $12\times8$   $14\times8$   $12\times10$   $14\times12$   $16\times12$ 

Minimum Wholesale Prices to Chemists—each 5/6 6/- 6/- 6/6 7/7 7/11 9/9 11/1

mis sketch shows where, in course of me, the action of water permeates, tween the brass socket and rubber. 7/4 8/- 8/- 8/8 10/- 10/6 13/- 14/9



The Palent Constructed Neck (No. 118 22 shows the brass socket embedded in pubber rendering it now impossible for water leakage to occur.

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THE LONDON INDIA Established 1847.

HACKNEY WICK, E.9



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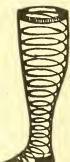




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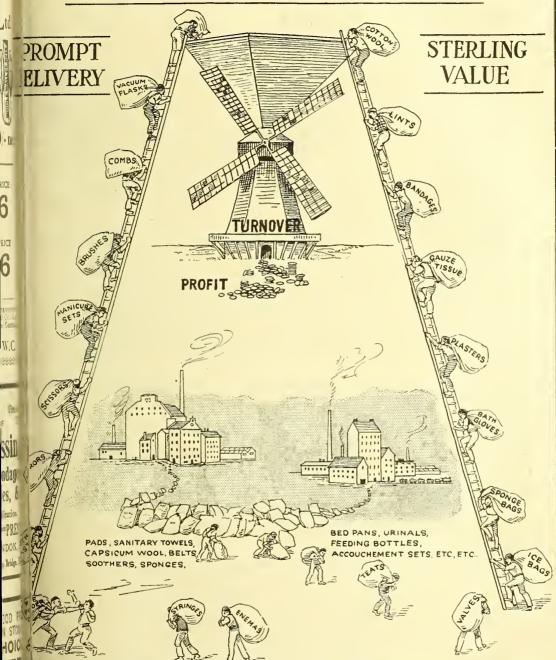
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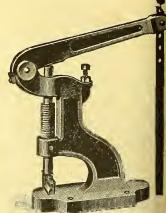
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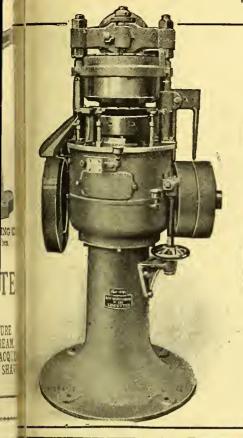
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Machine is suitable for tablets from \( \frac{1}{2}'' \) diameter up to \( \frac{1}{2}'' \) diameter.

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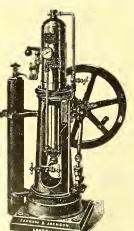






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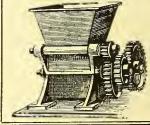
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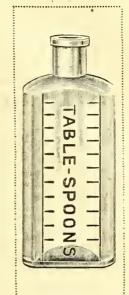
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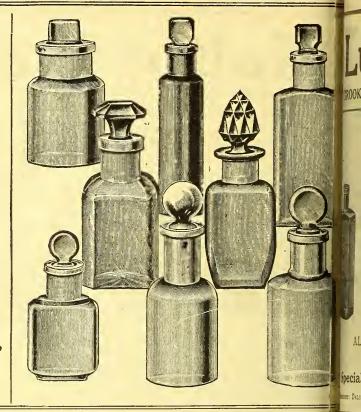
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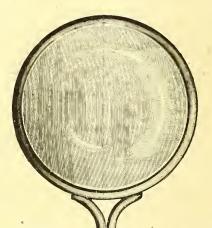


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